

Jan. 14

# W6CUS

## THE B TOWN FUSE

EAST BAY RADIO CLUB  
P.O. BOX 782  
EL CERRITO, CA 94530



THE EAST BAY RADIO CLUB MEETS  
THE SECOND FRIDAY OF EACH  
MONTH AT THE 'CASA CERRITO',  
6927 PORTOLA DR, EL CERRITO 8 P. M.

### OFFICERS FOR 1974

PRESIDENT : GENE BERGMAN, WB6IBU  
VICE PRESIDENT : GLEN SKIPPER, WA6NGS  
SECRETARY : RICH SHELTON, WN6TTB  
TREASURER : EV. JOHNSON, WN6DTM

EDITOR FOR THIS ISSUE:  
Pat Bowens

MAILING AND ADDRESSING:  
Ken Smith, WA6DWZ

\* \* \* THIS IS THE FIRST ISSUE SINCE THE NOVEMBER ISSUE (SO YOU DON'T HAVE TO  
WORRY THAT YOU MAY HAVE MISSED ONE) \* \* \*

\* \* \* THE LAST SIX PAGES OF THIS MONTH'S ISSUE ARE THE MINUTES OF THE LAST  
MEETING, AND THE PROPOSED BY-LAW REVISIONS - BE SURE TO BRING THESE PAGES  
WITH YOU \* \* \*



Meeting  
a!  
Feb

Movie Pool  
7315 Eureka  
El Cerrito, CA 94530



\*\*\*\*\*  
**THE PRESIDENT**

DURING 1974, I WOULD LIKE TO SEE NEW ENERGY POURED INTO THE EBRC. IF EACH MEMBER PARTICIPATES IN ACTIVITIES THAT HELP THE CLUB, WE CAN HAVE A TREMENDOUS VITALITY AND A TRUE RADIO CLUB. IF A MEMBER SITS BACK AND WANTS EVERYTHING DONE FOR HIM, THEN THAT MEMBER WILL NOT ONLY GET VERY LITTLE OUT OF THE CLUB BUT HE WILL NOT BE HELPING HIS FELLOWS. PARTICIPATION IS THE KEYNOTE TO AN ACTIVE AND SATISFIED MEMBERSHIP. TO GET A LOT OUT ONE MUST PUT SOME IN.

THE VICE PRESIDENT HAS SOME EXCELLENT IDEAS FOR MEETINGS - BUT WHAT GOOD ARE THEY IF HE HAS TO DO IT ALL HIMSELF. GIVE HIM YOUR SUPPORT AND IDEAS.

DURING THE YEAR 1974 I WOULD LIKE TO SEE EACH MEMBER HELP TO EXPAND OUR MEMBERSHIP AND OUR ACTIVITIES. ONE EASY ~~way~~ IS TO CONTACT INACTIVE OR FORMER MEMBERS AND TRY TO GET THEM BACK. ANOTHER IS TO GET THAT NEIGHBOR OR FELLOW WORKER WHO INDICATED AN INTEREST TO COME TO A MEETING. WON'T YOU, DEAR READER, DO YOUR PART???

ALL OF US WHO ARE OFFICERS OR MEMBERS OF THE BOARD NEED YOUR IDEAS AND YOUR PARTICIPATION. IF WE GET ONE-TENTH OF THE TALENT YOU REPRESENT WE'LL HAVE A GREAT YEAR!!!

GENE BERGMAN, WB6IBU

\*\*\*\*\*  
**'THANKS' FROM NEW NOVICE. WN6AYP**

I have been a member of the EBRC for about two years now. During this time I have gained much knowledge, experience and <sup>fun</sup> from the club. It has affected my life in other activities also.

One of these is scouting. In passing my electronics merit badge, I used knowledge that I had learned from the Ham Radio field. I will soon be ready for the radio merit badge also.

Another point is the fact that with my amateur license, I am able to operate the El Cerrito High School amateur radio station. This is quite a privilege, for only one other person in the school has a license.

In building electronic projects I have learned (I think) how to lay out and organize the plans and how to use my hands more skillfully in the building itself. I have gained new friends in the club and this is very important to me.

If I should go into the radio field for a living, I am well ahead already. My experiences with the club have given me this advantage. My purpose in writing this article is to express my gratitude to the club for what it has done for me. I sincerely hope that the club may continue to exist for many more years and that I may contribute to the club as much as it has to me.

73's, John Polese WN6AYP

\*\*\*\*\*  
**"THANK YOU, JOHN"**



\* \* \* \* \*

### MEETING BRIEFS

The program for the February meeting looks like a really good one. Jim Williams, East Bay Field Representative for Hewlett-Packard, will talk about, and demonstrate, frequency counters and many other types of equipment. Jim's talk begins promptly at 9 p.m. following the business meeting which begins at 8. Come one, come all!

\* \* \* \* \*

The January meeting was attended by 14 members and 14 guests. Guestwise, EERC is off to a beautiful start!!!

\* \* \* \* \*

### CLASSNOTES

Ken Smith, WA6DWZ, will conduct an 8 week GENERAL class starting Tuesday, Feb. 5th and ending Apr. 2nd. The class will be held at the Castro Club House, 1420 Norvell, El Cerrito from 8:00 to 10 p.m. Anyone who would like to assist, please contact Ken at 525-2564.

\* \* \* \* \*

Ken Snell, K6KQH, has 10-mtr walkie-talkies that he's willing to donate but they will need work - so anyone interested in a 10-mtr workshop sign out at the Feb. meeting. The workshop will probably be held on Saturdays. More details at the March meeting.

\* \* \* \* \*

If you know anyone interested in studying for his or her Novice license please let Gene, WB6IEU (527-0577) or Ken, WA6DWZ (525-2564), know as soon as possible. If we have enough interest, hopefully we can find someone with time to instruct a class.

\* \* \* \* \*

Don't forget : Our MAY meeting will be the Annual Auction - but you don't have to wait that long. If you have a need-to give, or take-mail a description of your need to Pat Bowens, care of P. O. Box 782, El Cerrito, Ca 94530. Want-Sale items will be accepted for each issue of the Blown Fuse at no charge to members.

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## NETNEWS

Dick Altman, WA6AXV, has been able to get the following info on calling in emergency calls to the California Highway Patrol. Dick call the watch officer at CHP and was given the phone numbers of their dispatch offices around the Bay Area. They prefer that you use these numbers in reporting any distress calls rather than ZENith 1-2000. The Zenith number should be used by asking the Operator for it only if you cannot find any of the dispatch office numbers. The CHP pays 50¢ extra for any call placed on the Zenith number. The numbers are listed below so that you can keep them near your rig or telephone. Call the dispatch number when placing any call to the Highway Patrol. If necessary your call will be relayed to the proper Patrol office. Dick got the impression that the CHP is not interested in receiving calls about stalled cars that are off the highway on any of the major freeways, unless it is a woman or women only. However, if a vehicle is blocking one or more lanes of traffic, that is different and should be called in.

San Francisco (Marin & San Mateo Co)	557-0305
San Jose (Santa Clara Co)	295-1023
Vallejo (Contra Costa Co)	644-4161
Oakland (Hayward, San Leandro, Oak- land, Alameda, Berkeley, Richmond, San Pablo)	658-9111
Santa Rosa	542-3030

HAVE AN OPINION your wife and friends won't listen to???  
Try the Freethinkers, nightly 6:30 (or thereabouts) 3650 Hertz or  
8:30 (or thereabouts) 3922 Hertz

**WANTED**

SX-28A, RBC Receiver, panoramic adaptor RBV and rack-mount adaptor for these units.

849-1051

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Several members of the Hayward Radio Club spent a day at the Electronic Museum at Foothill College in Los Altos recently and it seemed so interesting that I thought EERC members might like a reminder. The HRC members report that the Museum has a Ham Radio Station, artifacts from the first West Coast Telegraph Co., demonstrations, equipment that visitors can operate, a 500 million watt amplifier and information on computers, repeaters, satellites and you name it. The Museum is located at Interstate 280 and El Monte Road in Los Altos Hills. As of the beginning of January, it was open Saturday, Sunday and Holidays from 1-5, Wednesdays and Thursdays from 9-5 and Fridays from 9-10.

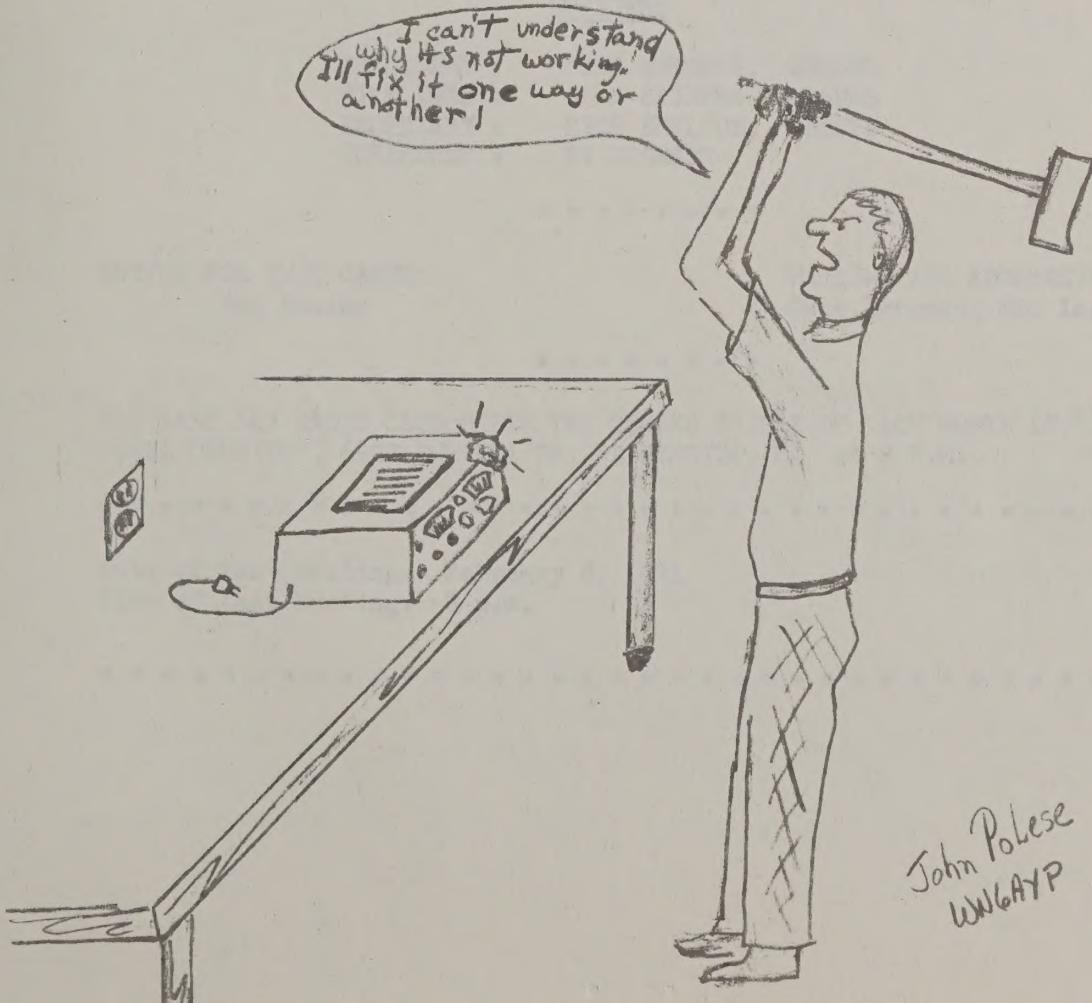
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HELP! ! ! ! NEWS NEEDED! ! ! !

\* \* \* \* \* Your editor will gladly welcome any items of interest - radio \* \* \* \* \*  
\* \* \* \* \* oriented or not. Just send it (them?) to Pat Bowens, P.O. Box\* \* \* \* \*  
\* \* \* \* \* 782, El Cerrito, Ca 94530. The more the merrier! ! ! \* \* \* \* \*

\* \* \* \* \*

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## THE B7OWNFUSE

EAST BAY RADIO CLUB  
P.O. BOX 782  
EL CERRITO, CA 94530  
FEBRUARY 22, 1974

A member of



Amateur Radio News Service

### OFFICERS

PRESIDENT :	GENE BERGMAN, WB6IBU
VICE PRES.:	GLEN SKIPPER, WA6NGS
SECRETARY :	RICH SHELTON, WN6TTB
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EDITOR FOR THIS ISSUE:  
Pat Bowens

MAILING AND ADDRESSING:  
Gene Bergman, Sid Lagorio

THE EAST BAY RADIO CLUB MEETS THE SECOND FRIDAY OF EACH MONTH AT THE  
'CASA CERRITO', 6927 PORTOLA DR, EL CERRITO, CA at 8 P.M..

Date of Last Meeting: February 8, 1974  
Time of Last Meeting: 8 p.m.



\* \* \* \* \*

### THE PRESIDENT

ONE OF THE TOUGH FUNCTIONS OF YOUR CLUB OFFICERS IS TO FIND A WAY TO COMBINE PARTICIPATION WITH AN INDIVIDUAL'S AVAILABILITY. PARTICIPATION IN CLUB ACTIVITIES OR EVENTS CAN HAVE LONG LASTING BENEFITS TO THE CLUB AND TO THE INDIVIDUALS WHO ARE INVOLVED. FOR INSTANCE, LET'S SAY THE CLUB SPONSORS AN ACTIVITY OF COMMUNITY CONCERN--SUCH AS PROVIDING COMMUNICATIONS FOR SOME EVENT, OR POSSIBLY SOMETHING WHICH IS ONLY OBLIQUELY RELATED TO AMATEUR RADIO. THIS ACTIVITY COULD RESULT IN ANY, OR ALL, OF THE FOLLOWING:

1. GREATER SENSE OF COMRADESHIP OF PARTICIPANTS.
2. DEVELOPMENT OF A FEELING OF WORTH IN THE INDIVIDUAL.
3. PUBLICITY FOR THE CLUB (AND A CONSEQUENT INCREASE IN MEMBERSHIP AND/OR CALL FOR FURTHER COMMUNITY PARTICIPATION).
4. TRAINING IN ORGANIZING OR OPERATION SUCH EVENTS.
5. AN IMPROVED IMAGE OF AMATEUR RADIO, IN GENERAL.

THERE ARE MANY MORE, OF COURSE, BUT JUST A FEW EXAMPLES SHOULD SUFFICE.

HOW ABOUT IT? DO WE HAVE ANY SUGGESTIONS AND/OR VOLUNTEERS FOR COMMUNITY ACTIVITIES? WE DON'T ALWAYS HAVE TO STICK TO OUR SHOCKS, DO WE? ? ?

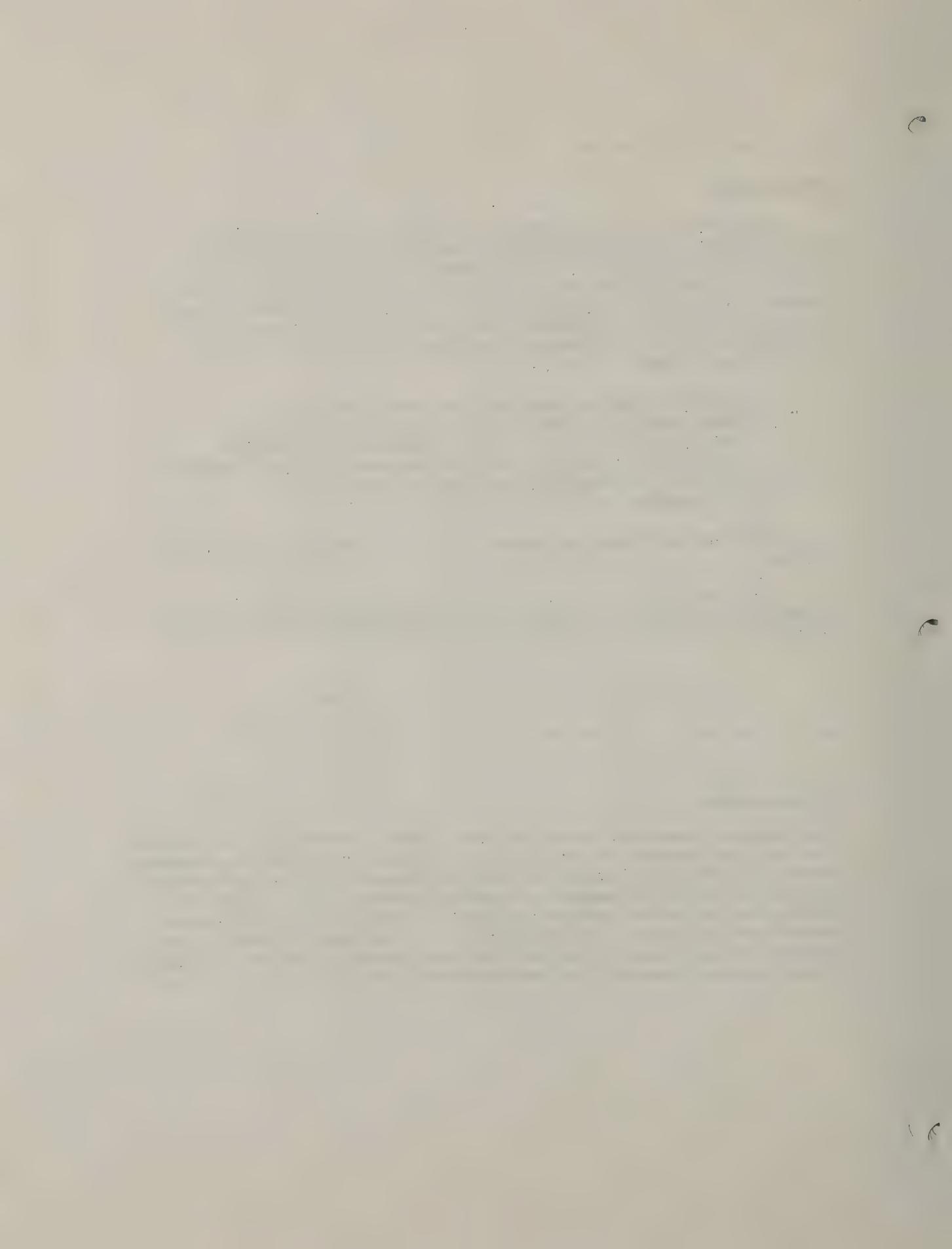
GENE

\* \* \* \* \*

### A.R.R.L. NEWS

Any members renewing or extending their A.R.R.L. membership, or joining for the first time are urged to send their dues to Ev Johnson, Treasurer, and Ev will forward them to the A.R.R.L. This will allow the club to take advantage of the League's special membership offer. Under this offer, the individual club member pays his club Treasurer the regular annual A.R.R.L. dues. The Treasurer is then allowed to retain a percentage of each member's fee for the club treasury. But the dues must come from the Treasurer, not the individual member!!

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### BY-LAW REVISIONS

The February membership meeting approved, with minor changes, the proposed By-laws that were mailed to the members prior to the meeting. Following are the changes:

Art. IV, Section 4, Item - Item a, re: designation of vice treasurer - deleted. (Items b thru g changed to a thru f).

Art VI, Section 1 - ...10 days in advance of the meeting at which it is to be voted upon (under-line added).

A complete copy of the new by-laws will be available for those desiring one at a subsequent meeting.

in addition, the following resolutions were adopted to implement by-law provisions:

1. Art. I, Sect 2, Part a, No. 2

All members who would otherwise be considered associate members who are paid up as of the February, 1974 meeting shall be considered as full members for so long as their dues are paid up.

2. Art IV, Sect 1

The following are appointed to the executive board and are to be considered as full members so long as dues are paid up

Editor of the Club Publication

Past President of the Club

The C.C.R.C. Representatives (see below)\*

3. Art. II, Sect 5, Part d

a) The executive board is authorized to approve expenditures of club funds without prior membership approval up to an aggregate total of \$50 in any single month. Such expenditures must be confirmed by majority vote of the full members at the next meeting or the subsequent month's authority to authorize expenditures is suspended.  
b) The President is authorized in the same manner and under the same terms to expend a total of \$20 without prior approval.

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C.C.R.C. NEWS

This year's C.C.R.C. officers are:

President : Fred Barry, K6RTU, 105 Solana Dr, Los Altos, Ca 94022

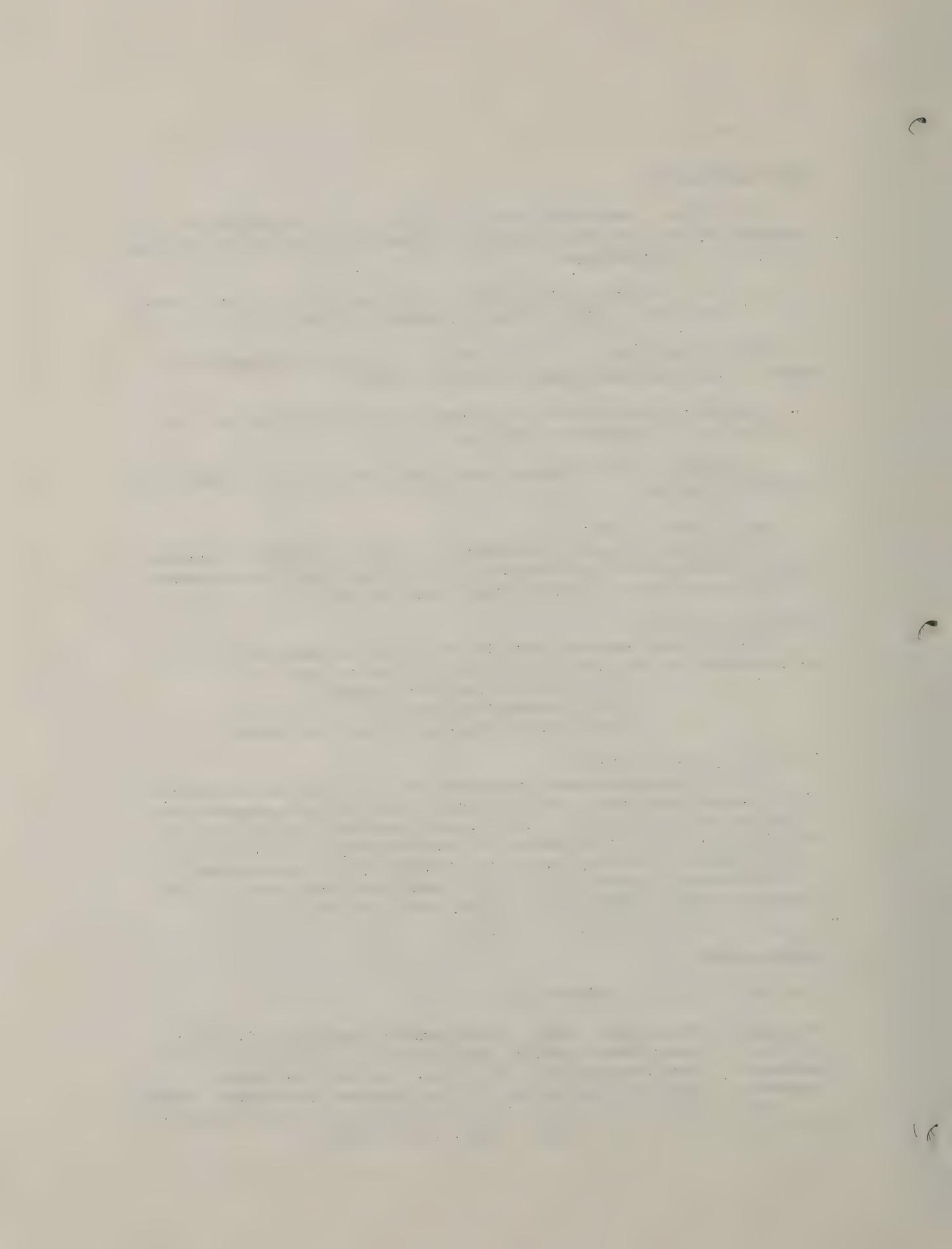
V. Pres. : Lammy Yeoman, W6URA, 855 Carolina St., San Fran, 94107

Secretary : Les Bodin, W6JKY, 2509 Taylor, Oakland, Ca 94605

Treasurer : Sid Lagorio, WA6JGZ, 216 Stanford Ave, Kensington 94708

Sid, in addition to his election as Treasurer, is also Editor and Publisher of the C.C.R.C. paper, The C.C.R.C. Circle.

\* \* \* \* \*



## MEMBERSHIP QUESTIONNAIRE

You will find in this issue a questionnaire which all club members or applicants for membership are asked to complete. The questions or items included are designed to help the club meet its members' needs better and to provide information for helping the officers or committee chairmen perform their tasks with less difficulty. We now have 44 members and your officers do not know everyone as well as they would like. Please help us and complete and bring the questionnaire to the March meeting, or mail it to Gene Bergman, WB6IBU, 1741 Madera St., Berkeley, Ca 94707.

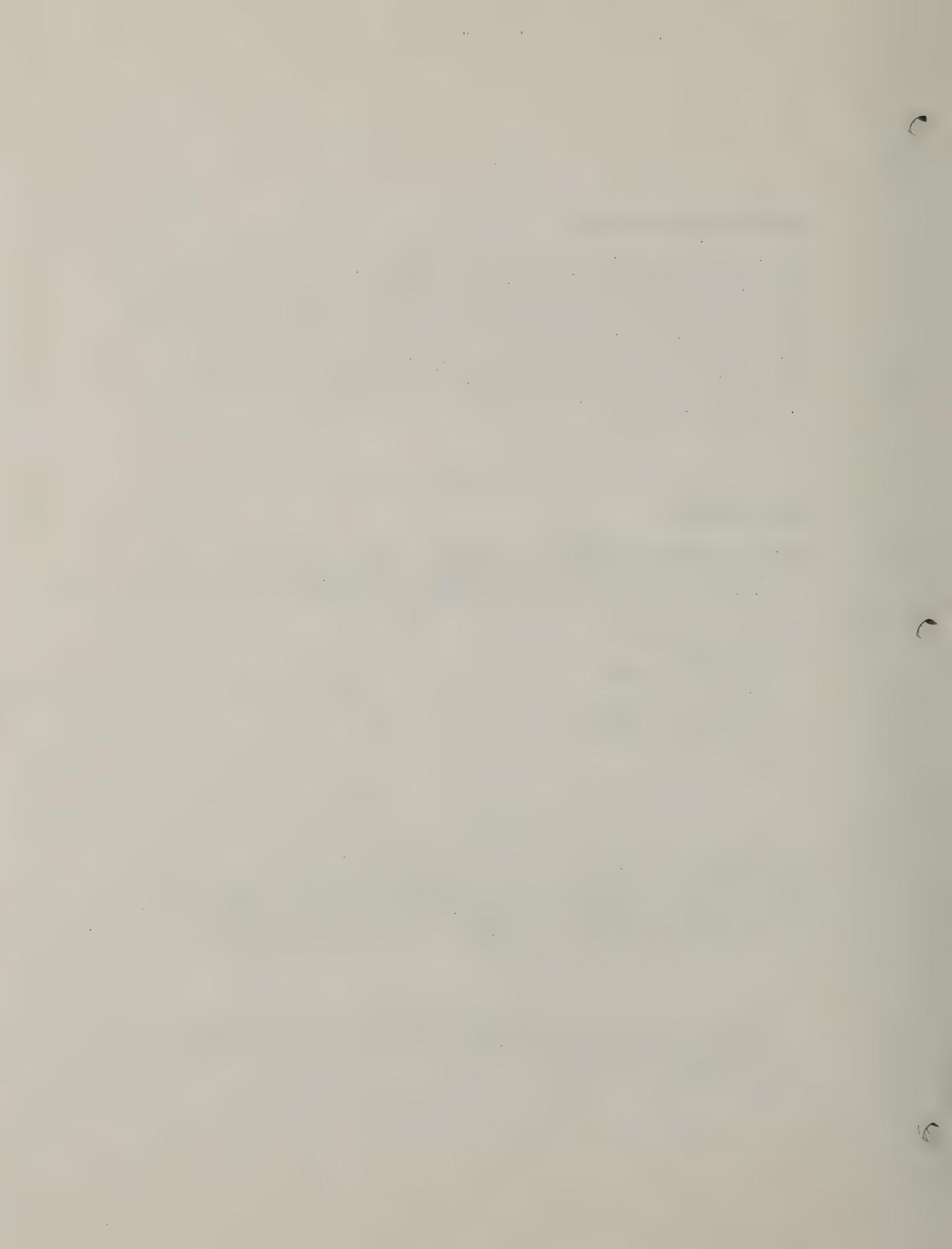
## MEETING BRIEFS

Twenty-one members and eight guests attended the Feb. meeting. Three of the guests joined EERC the same night. That gave us 7 new members at the Feb. meeting and a total membership of 44. The new members are:

Anthony Boresch	
Pat Bowens	
Len Brandi	W6LWX
Ted Culliver	
Don Dunn	K6BJJ
Bob Pigford	K6QS
Brad Stine	

Skip, WA6NGS, who does such a fine job of finding unusual and interesting guests, has a 'mystery guest' planned for the March meeting. Considering the knowledgeable and complete talk given by Jim Williams, Hewlett-Packard Field Repr, at the Feb. meeting, this month's guest is sure to be another pleasant surprise.

--- Actually there is only a slight difference between keeping your chin up and sticking your neck out --- but it's a difference worth knowing!!!! ---



\* \* \* \* \*

WANTED - DEAD OR ALIVE!!!!

A NEW NAME FOR OUR MONTHLY PUBLICATION! LIBERAL REWARD OFFERED IN THE FORM OF FREE 1974 MEMBERSHIP. OPEN TO ALL BOUNTY HUNTERS!!!

\* \* \* \* \*

Pictures of the Xmas Party will be available in the club room at the next monthly meeting. Cost to each member will be whatever it costs the Club to make the number of prints you request. Put in your orders at the next meeting.

\* \* \* \* \*

NETNEWS

AN AMATEUR Radio Chess Players Network has been formed and meets nightly at 2330 hrs on 3928 kHz. Present membership is 32 but they welcome more. Previous weeks results and game assignments are given out every Sunday at 1 p.m. on 7295 kHz. You can check in during indicated times or drop a line to net control, K2SYJ.

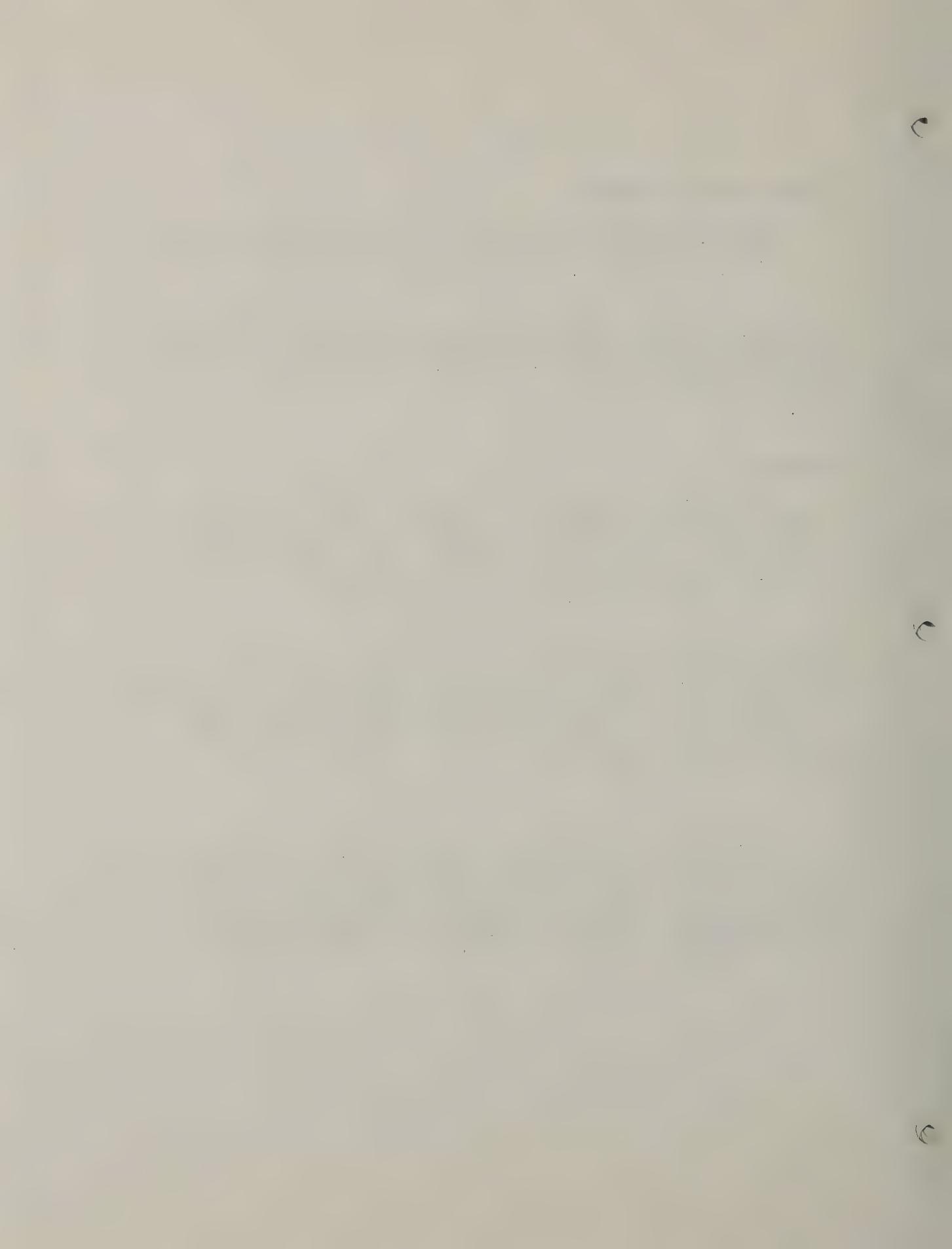
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THE NEW DIRECTIONS Roundtable is a voice roundtable attended by people interested in discussing the world around them -whether it be Economics or Unemployment. They review books they consider relevant to world conditions, and have even brought a psychologist in to help answer questions. They can be found every Sunday on 14,253 at 2000 GMT, or 7163 at 2230 GMT. Drop in.

\* \* \* \* \*

For CODE PRACTICE, CW is broadcast daily except Monday, on 3590, starting at 8 p.m. The call to listen for is W6QIE. The call will be repeated, followed by 'now    wpm'-also repeated, and about 10 min of code at the indicated speed. It starts at 5 wpm (for ex, 'now 5 wpm') and is increased every 10 minutes up to about 25 wpm. The practice continues until about 9:30 p.m..

\* \* \* \* \*



\* \* \* \* \*

**FOR SALE**

Heathkit GR88 w/120 VAC Adapter; 152-174MHz continuous tuning - police, fire, radiotelephone, weather, ship-to-shore, etc. Excellent condition. Make offer. Call Gene Bergman, WB6IBU at 527-0577.

\* \* \* \* \*

**TRIPS N'SUCH**

This year's international DX convention will be held at the Fresno Hilton, April 27th and 28th.

\* \* \* \* \*

A WORD OF THANKS, on behalf of the entire membership, to one of our most necessary and hardworking groups - the REFRESHMENT COMMITTEE. Jim Hudon, WB6NTH, Sid Lagorio, WA6JGZ and Lyman Wiltshire do the work and the refreshments they provide are delicious and most welcome.

\* \* \* \* \*

HELP      HELP

\* \* \* \* \*

HELP      HELP

We would really like to get a Novice class started but two students just wouldn't make it worthwhile, so if you know of anyone who might be interested, please let Pat Bowens know at the next meeting or leave a message at 236-8321.

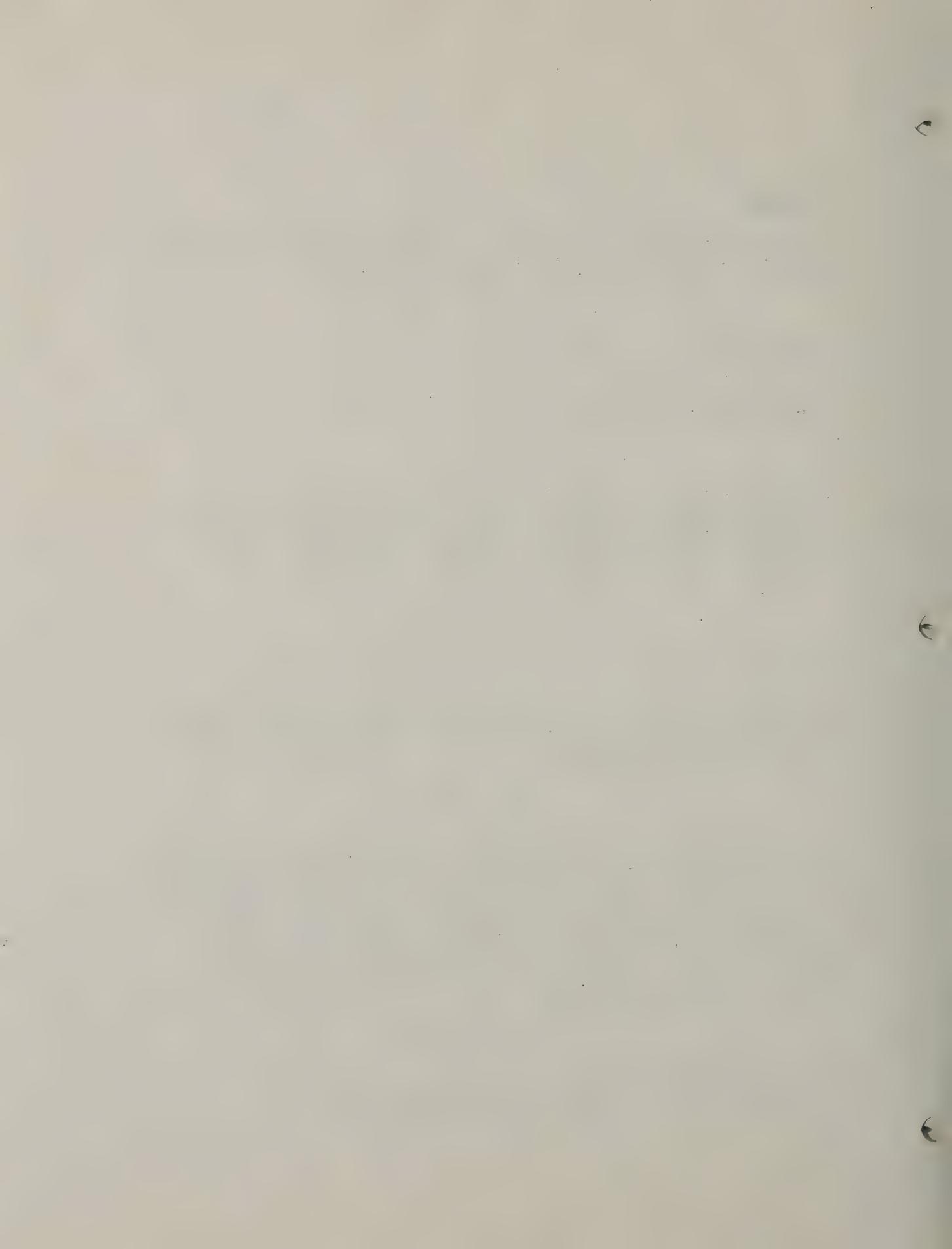
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THE BLOWN FUSE sorely needs articles and suggestions from the members. Contributions will help to indicate what the membership is interested in and would like to see or hear about in future issues. These items do not have to be restricted to Radio news but could cover anything the member thinks is of interest - such as recent field trips or an article he, or she, has read. Cartoons, For Sale items, Anecdotes - all will be greatly welcome. Drop them off to P. O. Box 782, El Cerrito, Ca 94530 or bring them with you to the meeting for publication in the following month's issue.

\* \* \* \* \*

---One way to make a fortune is to be able to determine the exact moment a piece of junk becomes an antique!!!---

\* \* \* \* \*



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### AGENDA OF NEXT MEETING

Call to order will be at 8 p.m.; Program will begin at 9 p.m. The business meeting will recess from 8:45 p.m. until the end of the program.

1. Introduction of Guests.
2. Drawing for on-time door prize.
3. Reading and Approval of Minutes of Feb. meeting.
4. Treasurer's Report.
5. Reports of other officers, committees, etc.
6. C.C.R.C. Report.
7. Old Business.
8. New Business.
9. Good of the Club.
10. Adjournment.

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### MINUTES OF LAST MEETING

~~W.E.B.~~  
Meeting convened at 8:05 p.m. Guests and new members were introduced. The minutes for November and January were approved as published in the Feb. issue of the 'Blown Fuse'. The Treasurer reported :

January Balance	\$293.12
New Dues	5.00+
Costs	4.20-
February Balance	\$293.92

The R.A.C.E.S. and C.C.R.C. representatives reported on their respective groups.- R.A.C.E.S. meetings will be held the first Monday of each month. 40 meter and 2 meter gear will be used for operation.;; The Greater Bay Area Hamfest under C.C.R.C. auspices will be in November '74.

General - There was discussion on some 10 meter rigs to be donated by Ken Snell. Lyman Wiltshire has received permission to use U.C.s facilities in Richmond for repair of the rigs.

The General class meets every Tuesday from 8 - 10 p.m. (Feb 12 - Apr 2) at 1420 Norvell St. in El Cerrito.

The winners of the On-Time Prizes were: Lynn Brandi-New CallBook; Brad Stine - Hex Wrench Set; Gene Bergman - DX World Maps; Gary Carleton - Jumper Cables; Don Dunn - A Level.

The meeting recessed from 8:45 until 10:05 for refreshments and a talk by Jim Williams, Hewlett-Packard Field Representative. Following the program, the meeting reconvened and the by-laws were approved with revisions in several sections. The meeting adjourned at 10:15 p.m.

Minutes Submitted by Rich Shelton, WN6TTB

\*\*\*\*\*

SEE YOU AT THE MEETING!!!

MORRY POOL, W6CJ1  
7315 EUREKA  
EL CERRITO, CA.  
94530



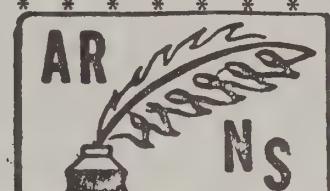
Mr. & Mrs. E. A. Bergman  
1741 Madiera Street, 94707  
Berkeley, Calif. 94707

# 14 W6CUS

## THE B7OWNFUSE

EAST BAY RADIO CLUB  
P.O.BOX 782  
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MARCH 28, 1974

A member of



Amateur Radio News Service

### OFFICERS

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SECRETARY: RICH SHELTON, WN6TTB  
TREASURER: EV JOHNSON

EDITOR:  
---PAT BOWENS

MAILING AND ADDRESSING:  
PAT BOWENS, TED CULLIVER--

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DATE OF NEXT MEETING: APRIL 12, 1974  
TIME OF NEXT MEETING: 8 SHARP

# THE PRESIDENT SPEAKS

2

ARF!

I have indicated to various individuals over the past couple of months that I would be willing to speak, on behalf of the club, to student groups or classes. Because I work in real estate I have a great deal of flexibility in my work schedule and thus am in an excellant position to take some time out during the day to talk about and answer questions about amateur radio and the East Bay Club.

I want to indicate to everyone my offer of giving my "body to science", as it were. And, I would like to offer to speak to other groups, as well. All you have to do is have the person responsible for the group or class call me and we can set up a time. This should be a particularly good way of direct contact with students or others to tell them about our activities. But, this is an area where you have to do the ground work. Any Takers?

At the last meeting some discussion was held regarding the door prize and raffles. It was pointed out that the prizes generally cost money and that many times the amount of money raised exceeded the cost of the prizes by only a small amount. (Some were not even aware that prizes were being purchased) We can help keep our dues low by increasing the amount of difference between what prizes cost and what we receive from ticket purchases by obtaining more donations of prizes. There are two categories of sources: Commercial and You, dear member.

Since my point at this moment is you, I'll skip talking about commercial donations.

We would like to have more items donated by members. Not just any pile of junk, mind you. Put yourself in the position of one receiving the prize. Is it worth buying a ticket? It doesn't have to be new or unused - it just shouldn't be scrap. And, the value should exceed one dollar. If you have several items; solder, resistors, etc., put them in one package. Make up your own "prize". Bring it to the meeting and sign it in with the Secretary. We will then select a meeting for it to be raffled. If it is a surprise box, tell the Sec. what is in it so a balance of selection can be made.

Remember the May meeting will be the club auction. Dig for those items you want to sell and get them ready. This is the time to buy back what you sold last year and sell what you bought. Of course, you can also put a free ad in the paper.

If you have particular items already in mind for the auction, give a list to Pat Bowens so that a "preview" can be prepared for the next issue of the club paper.

See you at the meeting,  
Gene, WB6IBU

## NOVICE CLASS BEGINNING 3

A novice class will be offered by Bob Pigford, K6QS and Dave Bacom, WA6TPJ beginning April. 9 at 7:30 p.m. at the Castro Recreation Center, 1420 Norvell St., El Cerrito. The class will have eight sessions. Please indicate to Bob whether you plan to attend. Call him after 6 p.m. daily at 232-8434.

## FIELD DAY'S A'COMIN

Time to get your sites set on field day this June. Call Lyman Wiltshire at 524-2690. Tell him what you can provide and what position you can work.

## EXECUTIVE BOARD MEETS

There will be an Executive Board meeting at 8 p.m., Friday, April 5 at Gene Bergmans, 1741 Madera St., Berkeley. Agenda will include items of procedural and business matters of no significant concern to members. All members are welcome to come--it just won't be of great interest! A full report will be presented at the April 12 meeting.

## S. O. S. (SAVE OUR STUDENTS)

The novice class mentioned above will need some equipment and materials to assist those who may come. We need license manuals, code practice oscillators, code keys and some miscellaneous items such as, earphones and speakers from discarded transistor radios. We could also use small metal chassis or bread boards. The idea is to have the students put together small practice oscillators as cheaply as possible so that each student can send. Other parts desired are switches, male & female connectors (person connectors?)(transistor earphone size) and batteries for operating the oscillators.

## SPECIAL SHOWING OF "DEEP THROAT"!!

Now that I've got your attention.....

Thursday, April 18 beginning at 8 p.m. the E.B.R.C. will conduct a special technical session at the U.C. Richmond facility. Arrangements are made through Lyman Wiltshire.

Purpose of the evening will be to assist those members who may need some technical assistance on repairing equipment or who may have other problems or questions about technical matters. It will also be a time for those who would like to learn some of the intricacies of using various test equipment.

Don't expect that a complete test lab will be available at this initial session. However, if an individual brings a problem requiring more equipment then attempts will be made to have the necessary equipment available at the next session.

We also expect to have the teletype station in operation and to have made some progress on the walkie talkies.

This is everyone's chance to come to see what's happening and also to get some good pointers on repairing equipment.

If you are planning to make it be sure to call Lyman (524-2690) in advance so that your name can be given to the gate guard.

4

### INSIDE OUTER SPACE

#### FAR, FAR OUT (By Courtesy of Intermod)

Like to work some real DX? Then how about an interstellar QSO? Scientific American (January 1974) reports that informed opinion is changing about the best frequency to try. It's obvious, of course, that there's no point in trying to communicate with another civilization unless both parties are on the same channel. Up to now scientists have recommended 1,420.405 MHz. They say this is a "natural" because it's the frequency at which radio waves are emitted by natural hydrogen, which is the most abundant atom in the universe.

Two Cornell scientists now say this isn't a good idea after all. Reason: Too noisy. Much better, they say, to use 1,652.418 MHz, which is the frequency that is "selected by the center of mass of the water molecule itself" (ask your friendly neighborhood astrophysicist what THAT means!).

If you're not set up for that low-band channel, there's also a good high-band one near 56,00 MHz. Only trouble is, you can't use that one on the surface of the earth, because it's too near the natural radioation frequency of molecular oxygen. So you'll have to take your rig out into deep space, where there's less of it around. (And you thought the QRM on 20 was bad?) All of which goes to show you, that a ham's life gets tougher every day!

### MEETING NEWS

Fifteen members and seven guests were present at the March meeting. With three of the guests signing on, total membership is now up to 47. The three new members are:

David Bacom WA6TPJ

Anton Hirth WN6VBU

Frank T. Taylor WN6VBV. Welcome!

\* \* \* \* \*

Scheduled guest speaker for the April meeting is Narpat Bhandari, Systems Design Engineer at the Lawrence Radiation Lab and an instructor at U.C. Berkeley. Skip, WA6NGS, mentioned to me several possible topics Narpat is considering choosing from and they all sounded pretty interesting so don't miss this one.

### LICENSE!!!!

At the FCC Forum recently held at the Roanoke Division ARRL Convention, it seems the question of license copies was brought up. The answer was that any time you operate any amateur station: your home station, a mobile station, a club station or another amateur's equipment, you must have the original license on your person or on the premises. Commission personnel figure, rightly so, that copies are easier to obtain than the original. (But we all knew that anyhow, right?)

GIVE AND TAKECLUB NEEDS+

Needed: Novice Freq Xtals; Also a Var Freq Osc. for Novice Operations;  
Call: 653-6786, Ted Culliver, WN6CRG

For Sale: Heathkit Ham-Scan Panoramic Adaptor, Model HO-13, excellent condition,  
used with SB301 receiver, with manual. \$25.00

Heathkit Utility Solid-State Voltmeter, Model IM-17, excellent condition,  
with manual. \$15.00

HyGain Model Th3Mk3 triband beam antenna, purchased 1969, good condi-  
tion. \$50.00

Folding table, Sears, 8 ft. long x 30 in. wide x 29 in. high, good  
condition; used for ham station, hardboard top. \$23.00

Bob Pigford, K6QS, 232-8434, will welcome inquiries on any of the above forsale items.

OTHERS:

Wanted: Vibroplex Paddle for keyer use. Must be cheap. Peter Strauss 837-7459

For Sale: Gonet GSB 100; Hammarlund HQ 100; DX 100; Johnson Low Power (300 W.)  
Matchbox; QST's 1946 to date - not complete; Make Offer to Pete Bergman  
(any relation, I wonder) 283-6256

(above reprinted from March edition of the Carrier)

Wanted: Manual and circuit diagram for a DuMont, Land-Mobile High VF band.  
Contact the Editor of the SFRC News at 731-3411 for more information.

For Sale: Collins 32VI Transmitter; Collins 75Al Receiver; Both in good con-  
dition, with manuals. Contact 581-2236, Red Clemensen, WN6RLN

Drake Novice Station, Receiver, Transmitter, Heath VFO-All are opera-  
tional, Tim Smith. (Sorry I only have the name on this one, but both these  
items are from the Feb issue of the Chewed Rag published by the Hayward  
Radio Club, P.O.Box 113 Hayward, California)

TRIPS 'NSUCHTRAVEL

THE NATIONAL ARRL CONVENTION WILL BE AT THE WALDORF-ASTORIA IN NEW YORK CITY,  
JULY 19th, 20th and 21st.

\* \* \* \* \*

LATEST EDITION OF THE REPEATER SAYS THERE'LL BE AN AUCTION AT EAGLES HALL,  
EL CERRITO - APRIL 28, 1974..  
STARTING TIME 1 P.M.

5

MEETING MINUTES

The March meeting of the East Bay Radio Club was convened at 8:06 p.m. Guests were introduced and it was decided that the On-Time door prize would <sup>include</sup> ~~1~~ 3 tickets for the raffle. The minutes of the February meeting were approved as published in the Blown Fuse. The treasurer's report was read and is printed here (brought up to date as of the end of the meeting).

3-8-74 : Balance Brought Forward	\$293.92
Net Loss	<u>2.69</u> -
Starting Balance as of	
3-8-74	\$291.23
Receipts:	
Dues	\$13.00
Raffle	<u>17.50</u>
Total	\$30.50+
Disbursements:	
Stamps	\$ 8.00
Blown Fuse	9.81
Refreshments	<u>7.94</u>
Total	\$25.75-
Net Profit	<u>4.75</u> +
Closing Balance, 3-8-74	\$295.98

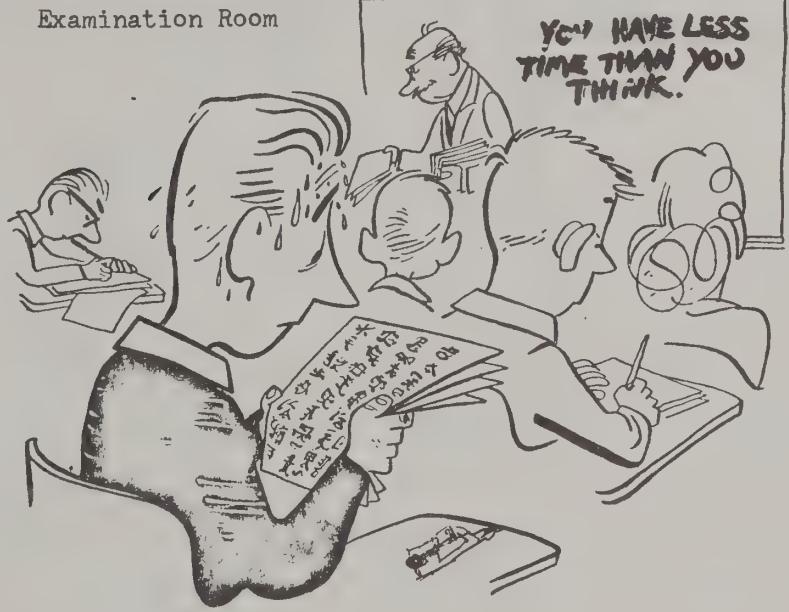
Lyman Wiltshire reported on field day and feels that we may be able to get 10 meter rigs for the event. Publications received between meetings will be on display at the front table during the following meeting. There was discussion of a new name for the club publication, (prize will be free 1974 membership) - Don Dunn suggested 'Mixer', Rich Dunn likes 'Vox'. The club approved opening a checking account to facilitate accounting and also, repayment of small expenditures by club members. There was a raffle statement by the President, WB6IBU, who then asked for discussion on the raffle as to Type of Prizes, No. of prizes, Cost of prizes and whether members wished the raffle to be continued. Sid Lagorio thought raffle should be continued because of assets that it brings through attendance; also the club is ranked high in terms of quality of its prizes. Brad Stine suggested that the prizes should be hidden under different boxes. Ken Snell felt that the prizes issued should be proportional to the amount of money taken in each month for the raffle. Gene Bergman thought that people like to see what they are going to get. He also indicated that the raffle has gained money for the club in 1971, 1972 and 1973. Most members seem to like construction tools, info, parts, etc. Continuation of the raffle was approved by the membership. There was discussion of the talk net that meets Sunday 1200 PDT on 14,250 MHz. (<sup>new</sup> ~~directions~~) Members were <sup>it</sup> reminded that if they have any info on various nets, the Blown Fuse will print <sup>it</sup> for the notice of the members. Just contact Pat Bowens through the club P.O. Box. The door prizes were donated by Don Dunn. The semi-automatic key was won by Ted Culliver; the 400 mc gear went to Bob Conley. Gene Bergman announced that there will be an Executive Board <sup>meeting</sup> in about 3 weeks. The meeting recessed at 9:17 p.m. to hear guest speaker, Bob Rozzano. and formally adjourned approx. 10.30 p.m.

Minutes submitted by Rich Shelton, WN6TTB

SEE YOU AT THE MEETING!!!

IT'S ONLY YOUR IMAGINATION

Federal Communications Commission  
Examination Room



"General" Exam

SUBMITTED BY GENE, WB6IBU

EAST BAY RADIO CLUB  
P. O. BOX 782  
EL CERRITO, CALIF. 94530

MORRY POOL, W6CJI  
7315 EUREKA  
EL CERRITO, CA.  
94530



14  
WB6CUS

# THE B70WZFUSE

\*\*\*\*\*  
EAST BAY RADIO CLUB P.O. BOX 782 EL CERRITO, CA. A MEMBER OF ARNS.  
THE East Bay Radio Club meets the second Friday of each month at the Casa Cerrito,  
6927 Portola Dr. El Cerrito, Ca at 8 p.m. Next Meeting : MAY 10, 1974.

## — AUCTION —

### \*\* RULES \*\*

1. Doors open for registration and inspection of equipment at 7 p.m.
2. Auction begins at 8 p.m. sharp; ends 10:30 sharp.
3. Each person is limited to 3 lots to be auctioned.
4. Each lot will be auctioned as a unit, not piecemeal.
5. Lot numbers are issued on a first come, first serve basis.
6. Each person bringing gear to be auctioned will have each lot clearly divided and marked.
7. The seller's name and call and a brief description of the equipment and its condition will be attached to each lot to be sold.
8. The club will receive 10% of the final price (not to exceed \$1.00) for each lot sold. Minimum bids can be set—but they must be clearly marked for the engr.
9. Bidding will be in 50¢ increments. If the price of the bid is not enough, the seller can drive the bid up—but if you buy your own equipment, the club still receives 10%.
10. Pay the Treasurer for each item purchased at the time of the purchase; the previous owner is paid later.
11. Payments will be in CASH!!! ONLY!!! unless there is prior approval from the Treas.

\*\*\*\*\*  
And, by the way, among other miscellaneous items he is bringing to the auction, Gene, WB6IBU, will have for sale—a Mosley antenna, a Hallicrafter SB38-D general coverage receiver (ideal for the new ham with limited funds) and a Superior Instruments TW-11 tube tester (even solid staters should have this one!). Gene says bring lots of money!!!!

### \*\*\*\*\* VOLUNTEERS URGENTLY NEEDED!!! \*\*\*\*\*

There are many little tasks involved in putting on an Auction and we will not be able to carry out this year's auction properly unless SKIP, WA6NGS, can get some help from the members. Positions to be filled include—Registrar at door to register people and equipment. Persons to help set up tables before auction starts. Someone to record sale information, such as—price, lot and to whom sold; and to collect Club's share. Volunteer to help assign lot nrs. Persons to help set up refreshments—and a few others. If you can donate any time at all please contact Skip—526-6668, Gene—527-0577 or Pat 236-8321 as soon as possible, so that we will know whether there is enough help.

PASS IT ON!!!

PASS IT ON!!!

PASS IT ON!!!

PASS IT ON!!!

2

I think we can truly call this a first!!!! The June meeting's scheduled guest is Don Evans. Don is an engineer at the U.C. Radiation Lab who has been chosen by the State Senate to head a study group looking at BART's Design Concepts from a System Viewpoint. We think he'll have some real eye-opening info, such as - Why BART's Control System is not functioning as advertised; How it does work; How it should work!!!! Needless to say, we would like to see as large an attendance as possible so that Don will know his volunteering to appear was not unappreciated. Pass the word to anyone you know - friends, relatives and acquaintances; pass the word and help give us a big turnout!!!! Anyone interested in electronics is sure to get something of value from this meeting. (June 14, 1974)

\* \* \* \* \*

Congratulations to Rich Shelton, WN6TTB, on passing the General exam. Our secretary is moving up\* \* \* \* \*

\* \* \* \* \*

#### NOTES ON THE EXECUTIVE BOARD MEETING

A meeting of the EBRC Executive Board was held April 5, 1974. Attending were Gene Bergman(WB6IBU), Pat Bowens, Ev Johnson, Sid Lagorio(WA6JGZ), Rich Shelton (WN6TTB) and Glenn Skipper(WA6NGS). Formal appointment was made of Lyman Wiltshire (WN6FAS) as Field Day Chairman, Sid Lagorio and Les Bodin(W6JKY) as C.C.R.C. representatives and Pat Bowens as publication Editor. The board voted to appoint Ken Smith(WA6DWZ) Club Trustee and to continue affiliation with ARRL. It also designated Casa Cerrito, 6927 Portola Dr, El Cerrito, Ca 8 p.m. the second Friday of each month as the official meeting place and time for the club - with the December meeting place, date and time(Xmas party) to be determined by the President leaving office. Glenn Skipper was named Auction coordinator.

General discussion explored several areas - possible means to encourage more youths to join and participate in the club; particular attention was given to the possibility of working thru the schools//items to be included in the '74-'75 budget//suggestions on causes for recall(ref Art. 3 Sec.5)//participation in the April 18th Technical session to be held at the U.C. Richmond facility.

Ev Johnson reported on the current condition of the Club Treasury. Volunteers(?) were chosen to investigate and plan possible future Club activities. Howard Horowitz will be asked to conduct a transmitter hunt; Ev Johnson will plan a Club picnic; Glenn Skipper will handle Tours; Pat Bowens will investigate possible Community involvement.

More on each of these items will be reported to the membership as details are ironed out.

\* \* \* \* \*

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THE FOLLOWING two pages contain the items that would have been actively discussed at the May meeting, if the Club Auction had not been scheduled. Please READ these pages carefully and be prepared to cast your ballot. Provision will be made to allow members discuss any points they wish with Gene before voting!

\* \* \* \* \*

## PROPOSALS TO BE ACTED UPON AT THE MAY 10, 1974 MEETING

Note: The following items are in lieu of a business meeting during the auction. It is not intended to preempt any discussion or revision of the items to be voted upon. Members desiring to reopen discussion and/or voting at a subsequent meeting are welcome.

The reason for the matter being decided--at least tentatively-- is that the matter of the amount of dues collected from each member should be known at this time since dues are now due and payable.

### PROPOSAL

Dues for members under the age of 18 shall be one-half the regular dues rate.

Dues for members over the age of 17 shall be \$5. per year beginning with their membership date.

### INFORMATION:

During the 1973 membership year (May-Apr.) 5 members were under 18. Two of the 5 joined the club as recently as February. The total reduction in income would have been (if in effect for all of the 1973 membership year) a total of under \$10. Assuming no increase in under 18 members the 1974 reduction would be \$15.

### DISCUSSION IN FAVOR BY THE PRESIDENT OF E.B.R.C.

We need to encourage more young people to become members of the club as part of our obligation as amateurs to perpetuate interest, skill, and good operating practice. While a \$5. membership fee is "peanuts" to an individual with an income in excess of \$500. a month, to one receiving an allowance of a few dollars a week it is considerable. I urge the passage of this proposal because it will make it possible for young people to become active members not just occasional visitors. I believe that the club will actually receive more income in the long run because we will more double the under 18 membership. Further, the collecting of dues for an entire year at the time of one joining the club will, eventually, spread out the renewals and enable a more personalized renewal reminder. It may also result in a slight increase in dues received because in the two month period prior to the current "dues beginning period" some individuals may continue as "guests" until their dues are collected for the full year.

### PROPOSED BUDGET

#### INFORMATION:

During calendar 1973 the club received income in the amount of \$370.99. Total expenditures in the amount of \$343.09 were made resulting in a net gain of \$27.90. Income was from the following sources: Dues, \$200. Raffles, \$38. Interest on savings, \$10. and Auction, \$22. Expenditures were made in the following areas: Paper & Stamps, \$88., Refreshments \$74. Prizes, \$57. Insurance, \$51. Field Day, \$23. Certificate printing, \$32. Miscellaneous (incl. CCRC dues, P.O. Box, etc.) \$19.

#### Why this budget proposal should be acted upon now:

1. We should at least have tentative approval of expenditures and acceptance of the premise of a deficit for this year as opposed to raising dues.

2. If dues were to be raised it should be prior to individuals paying their dues.

3. According to the By laws expenditures must be approved by the membership. To reduce the amount of time spent on such routine matters at each meeting the approval of this expenditure budget would, as a result, not require continued proposals and votes on general expenditures. Thus, if expenditures exceeding the amount budgeted were to be made, approval would have to be secured from the membership. The approval of this budget does not prevent the membership from reopening the matter of reducing or increasing any budgetary item.

4. It is good fiscal practice to set priorities, goals, and limitations in advance of spending.

## PROPOSED BUDGET (cont.)

5. It is also good organizational practice to inform and secure the advanced consent of the membership rather than having after the fact complaints and a feeling of alienation.

### PROPOSED BUDGET (1973 figures in parenthesis)

It is conservatively estimated that income from dues will increase to \$225. (200) Raffle income should increase to \$150. (138) (No raffles were held during 3 months last year. This year it is anticipated that no raffle will be held twice.) It is hoped that auction income will be at least \$25. (22) Interest income would be \$12. (10) and Miscellaneous income \$5. (1) Thus we would anticipate (conservatively) income of \$417.

The premise of dues income increasing is based on the assumption that approximately 10 previous members will not renew and that we will obtain a total of (youth memberships counting as a "½ member") 15 new members. I do not think this difficult to obtain.

#### Expenditures Proposed:

Printing ("Blown Fuse" & Misc.) \$70. (no separate record of 1973, combined with postage) Postage (Blown Fuse & Misc.) \$105. (combined total 1973 equals \$88.) The reason for the substantial increase proposed is the following: 1. During 1973 the B.F. was only printed 10 months. 2. The printing was free or of minimal cost because George handled it at work. 3. We must now pay to have it printed and printing cost have increased recently by 30% (For a 4 page issue approx. 6¢ each) 4. Postage rates have increased by 25%. 5. With increased membership and complimentary copies to prospective members a larger number of each issue are needed. Refreshments, \$85. (73) Prizes, \$75. (57) While we should attempt to get more donations of prizes from members and stores we can't rely exclusively on them. I am proposing, basically, that no more than one-half the anticipated income from prizes be spent on prizes. This is not to say that the value of prizes should be one-half. Perhaps a realistic percentage of value to prize income should be 75%. The remainder should come from donations. Insurance \$60. (51) I'm assuming insurance may also go up. Field Day \$50. (23) This increase is possibly more than we will need, however during 1972 \$120. was spent. However we do not have to rent sanitary facilities, etc. this year. Miscellaneous (CCRC, P.O., periodicals, office supplies) \$35. (19) Increase primarily due to periodical subscriptions previously approved by the membership. Thus, we are proposing an expenditure budget of \$480. With income conservatively anticipated to be \$417. we would propose this years deficit as \$63. While none of us like deficits, it should be realized that: 1. Greater income could easily reduce the deficit (perhaps a second auction in October? More members? Minimal charge for classes?) and 2. Current reserves are at \$293. Thus the year end reserves would still be adequate.

Again let me stress that there is no desire to prevent revision or discussion of these proposals by anyone desiring to do so at a future meeting. Rather we are having these proposals voted on by ballot at a "silent business meeting" so as not to interrupt the May auction.

Gene Bergman, WB6IBU

I LIKE MY JOB



IT'S THE WORK I HATE

MEETING MINUTES

5

The April meeting of the East Bay Radio Club convened at 8:10 p.m. Guests were introduced and the door prize, a transformer, was won by Eddie Smith. Bob Conley reported that 19 people are enrolled in the Novice class, including 3 ladies. The Novice Class meets every Tuesday at 7:30 p.m. at the Castro Recreation Center, 1420 Norwell St, El Cerrito. If any members have items that can be used in oscillators, please contact Bob (525-5730).

Members were reminded that the club auction is next month and were urged to bring interesting items to sell. Items were to be worth only \$5.00 new. Rules are printed on the first page of this edition. The minutes, as printed in the 'Blown Fuse', were accepted. The minutes of the Executive Board meeting held a week prior to the regular meeting were discussed. Printed copies of the By-laws are now available. It was announced the Field Day areas are now under consideration. The U.C. Berkeley field station in Richmond seems most likely.

C.C.R.C. - The Greater Bay area Hamfest will be October 26, 27, 28. Oscar 7 launch date has not been set yet.

R.A.C.E.S. - A.R.E.C. is now active in Alameda County. (R.A.C.E.S. is a Federally run organ. which meets the 2nd and 4th Monday of each month.)

The meeting recessed at 8:53 to hear guest speaker, Narpat Bhandari, who spoke on digital logic circuits.

The prize winners for the evening were: Antoine Hirth WN6VBU, Mystery Pack; John Polese, WN6AYT, DX Maps; Dave Bacom, WA6TPJ, Mystery Pack; Bob Pigford, K6QS, Wrinkle Finish; Chris Baldo, WB6OGE, Mystery Pack; John Chapman, WN6AYP, 2 Mystery Packs; Rich Shelton, WB6TTB, Power Supply.

Minutes Submitted by Rich Shelton, WN6TTB

\* \* \* \* \*



"This tube your husband put in himself . . . where'd he get it?"

EAST BAY RADIO CLUB  
P. O. BOX 782  
EL CERRITO, CALIF. 94530



MORRY POOL, W6CJI  
7315 EUREKA  
EL CERRITO, CA. 94530

June 74

# W6CUS

## THE B70WN FUSE

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EAST BAY RADIO CLUB. P. O. BOX 782 EL CERRITO, CA 94530. A MEMBER OF ARNS.

The East Bay Radio Club meets the second Friday of each month at Casa Cerrito, 6927 Portola Dr., El Cerrito, Ca 94530, at 8 p.m. Next Meeting : June 14, 1974.

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\*\*\*\*\*  
OFFICERS  
PRESIDENT: GENE BERGMAN, WB6IBU  
VICE PRES: GLENN SKIPPER, WA6NGS  
SECRETARY: RICH SHELTON, WN6TTB  
TREASURER: EV JOHNSON  
\*\*\*\*\*  
EDITOR  
PAT BOWENS  
MAILING AND ADDRESSING:  
PAT BOWENS, SID LAGORIO  
\*\*\*\*\*

### HIGHLIGHTS

Picnic - Pg. 2, Field Day - Pg. 2  
Special Guest - Pg. 3  
Auction Results - Pg. 4

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\*\*\*\*\*  
East Bay Radio Club is sorry to report  
the passing of Perc Weymouth, W6GOP. Perc  
was one of the founders, and a longtime mem-  
ber, of EBRC. Our sincere sympathy to Mrs.  
Weymouth and the family.

\* \* \* \* \*

THE PRESIDENT

The summer season is often one where attendance at meetings and other activities drops off because of vacations, etc. The June meeting, of course, will have an outstanding program mentioned elsewhere in this publication. Then comes Field Day, June 22d and 23d. Field Day is an excellent time to practice up on some often neglected skills and enjoy a more extended and less structured relationship with other Club members - not to mention the importance of disaster drills and operating under Emergency conditions. We also plan on other social and technical get-togethers (for ex.-Picnic, June 1st) in addition to the regular meetings. So, Don't Forget Us.

\* \* \* \* \*

P I C N I C - - - - - P I C N I C - - - - - P I C N I C

No - Kim Novak and William Holden won't be there; but we hope all you other celebrities can make it. It's about time to take a break from the normal routine so come to ANGEL ISLAND, SATURDAY, JUNE 1st, for the EBRC PICNIC. The island is beautiful this time of year. There'll be rest and relaxation for those who want it; there'll also be a 6 mile bike path (just long enough to make you glad to get back) for those who'll want some light exercise. Bring food and drink and we'll all meet at the picnic grounds. Ev Johnson, coordinator, says 10:30 a.m. is early enough to get there.

For transportation, there are two ferries to the Island: the ferry from Tiburon leaves every hour on the hour from 10 a.m to 6 p.m.; the San Francisco ferry goes to the island at 10, 12 noon, 2 p.m and 3:45 p.m and returns at 12:45, 2:40, 4:35 and 6:15 p.m. Figure about \$2.25 for adults and \$1.25 under 12 years of age, including admission to the park and the ferry fee to transport the bike. By the way, anyone planning to bring a bike should start early and call the ferry first to be sure there will be room at the time they intend to cross. Tiburon - 435 2131; S.F. - 398 1141. See you there.

\* \* \* \* \*

FIELD DAY IS A'COMING

Lyman Wiltshire, Field Day Coordinator, reports that reservations are being confirmed for use of the U.C. Richmond Field Station at 47th and Hoffman in Richmond, for Field Day June 22 and June 23rd, 1974. There is a great need for operators - novices, general and higher - so that the Club can operate as much as possible and get more credit. Contact Gene Bergman, 527-0577, if you plan to attend. The Club must know for sure by the June 14th meeting because an attendance roster is necessary to get onto the Field plus the Field Day committee must know how many to cook and provide for. Which reminds me that volunteers are sorely needed to help with the cooking and mess utensils, etc, etc, etc. Just call Gene and let him know you are ready to help. And please don't sit back and think - well, someone else will probably call so I don't need to. Experience has shown that all the other somebodies are thinking just the way you are. So. give us your name. If we don't need you, don't worry, we'll let you know.

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### A SPECIAL GUEST

As mentioned in last month's edition, the scheduled guest for our June 14th meeting will be Don Evans. Don is a U.C. Rad Lab engineer who was chosen to head the study group reviewing the design of the Bay Area Rapid Transit System. Don has volunteered to present <sup>FACTS</sup> about BART and its operation and, considering how much I, for one, know about BART, anything he has to say will probably be a revelation. We'd like to see a large turnout, but, more than that, we think this will be an outstanding and valuable program for all the members. So, tell your friends and bring a guest. Remember, that's June 14th.

\* \* \* \* \*

### GIVE N'TAKE

#### CLUB ITEMS:

For Sale : Used 14AVQ Antenna; Ten-tec PM2B Transceiver; Racks; Clegg 22er (2 mtr); Polycomm 2 (2 mtr); and much more. (Some items need repair).  
Contact: ART NEUMANN 244 Columbia Ave Kensington, Ca 94708, WB6ZAZ, 527-1954. Price - open for discussion.

For Sale : Complete Novice station : Receiver - Allied AX190, Transmitter-Heath DX40, with crystals, Heath HG10B VFO (New)-All for \$250.00.  
Contact: ANTON HIRTH 2363 Brooks Ave Richmond, Ca or Phone 234-3521 (WN6VBU)

#### OTHERS: (From The Carrier, May 1974)

For Sale : Swan #250 Transceiver - \$229; Swan 117XC AC Power Supply - \$85; Century #350 Mobile power supply - \$65; Hammarlun HQ110 AC Receiver 160 through 6 meter, speaker and model CW-800 auto filter - \$135; 5 inch wheel Crown Tape Recorder, battery or AC power supply-\$50; Regency model ATC-1 Converter 80 through 10 meters, AM-SSB-CW - \$25. Contact: Warren W. Davis 737 Anderson St. San Fran, Ca 94110 Phone : 282-4112

Wanted : 40 meter xtals. Contact : Ralph Miller WN6DVN 934-7529.

\* \* \* \* \*

#### FAMOUS LAST WORDS (From 'Public Men and Events,' by Nathan Sargent, 1875)

"On the opening of the third session of the 27th Congress, Mr. Morse (Samuel F. B. Morse), of telegraphic celebrity...asked for an appropriation of \$30,000...to make an experiment, by erecting a line of telegraph ...from Washington to Baltimore.

The bill came up, and was considered....(Congressman) Cave Johnson... moved that one half the appropriation be expended in experiments in mesmerism, which was sustained by 20 votes. Another member moved that (the money be spent) in trying to construct a railroad to the moon. (Similar) propositions were made...creating much merriment and pleasant badinage among the members.

"Mr. Pettit, of Indiana, opposed it and (said that he) 'looked upon all magnetic telegraphs as miserable (and) fit for nothing.'"

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MEETING NEWS

The May meeting of the East Bay Radio Club was given over to the annual Club auction. Doors opened at 6:30 p.m. and the auction began approximately 8:15 p.m. Two proposals were silently voted on prior to the auction. Proposal #1 pertained to 1/2 dues for members under age 18 and full (\$5.00) dues for age 18 and over. Proposal #2 was the proposed budget for the year. Voting results on both proposals were the same : 20 members voted with 18 voting for the proposals and 2 voting against.

Attendance for the May meeting was 27 members and 22 guests (and probably a few others who didn't get to sign in).

The state of the Club Treasury as of May 10th was:

April Receipts:

Interest on Savings	\$ 3.16
Dues Received	15.00
Raffle Income	16.00
QST Share	.50
Total In	\$34.66

April Disbursements:

Postage	\$11.00
Printing of Club Paper	11.59
Prizes	9.32
Refreshments	8.10
CCRC Dues	6.00
Total Out	\$46.01-
April Total	\$11.35-

Account Status:

Cash	\$ 20.60
Savings Acct	200.95
Checking Acct	63.08
Total	\$284.63

And thanks to the three excellent auctioneers (under 'Chief' auctioneer, Les Bodin) who kept the auction moving right along and to Skip for his coordination efforts.

\* \* \* \* \*

AUCTION RESULTS

Total Sales:	\$205.50
Dues :	5.00
Donations :	1.00
Total In	\$211.50

Club percentage of Sales :	\$11.80
Total to Sellers	\$193.70-
Total to Club	17.80
Refreshments	10.00-
Balance	\$ 7.80

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## USE IT OR LOSE IT ?(Reprinted from The Footprint, Feb. 1974)

The UHF types are certainly one ~~up~~ on us HF communicators ~ they are doing it without receivers!!!! The discovery of direct detection (not through the ears) of low pulse rate signals isn't really new; it has been covered in several of the scientific journals, the earliest publication being that in Aerospace Medicine in 1961. In the 27 July 1973 issue of Science, a couple of fellows from Randomline, Inc detail a set of experiments in which they analyzed the type of signal required for the best direct radio transmission into the brain.

This direct perception occurs when the subject is illuminated with energy from that portion of the spectrum defined as the UHF band, that is, 0.3 to 3 GHz. This is the portion of the spectrum at which electro=magnetic energy passes into and through the head. At higher frequencies the energy is largely absorbed by the skin, and at lower frequencies it tends to be reflected by the body.

In this most recent set of tests, a group of "volunteers" took turns sitting in an RF anechoic chamber to have pulsed RF energy at 1,245 MHz fired at their heads from a signal generator feeding a horn antenna. Although the writers did not mention Amateur radio, you notice they selected the portion of the Spectrum in our amateur 1,215-1,300 MHz band; {Pulse emission isn't authorized in this band, however.)

Here are some of the interesting observations. At a pulse rate of 50 Hz, the average power could be varied over a 10 db range with no apparent change in the receiver volume. But changes of as little as 1 db in the peak transmitted power (keeping the average power constant) were very easily perceived. The subjects were able to detect changes in both pitch and timbre as the pulse rate and pulse width were varied.

That hearing through the ears was not involved was proven by measuring a constant perception of signal level as the subject's head was rotated. Additionally, the listeners were subjected to the Gells test (in this test the hearing by the ears is reduced for both air conduction and bone conduction) but the level of the RF sound they perceived remained the same.

In these tests a peak power of some 80 mW/cm<sup>2</sup> provided an adequate signal. But how about the safety aspects? Were some of the brains fried? As yet, the scientific people remain in a confused disagreement over safe RF exposure levels for human beings. In the article "Broadcast Radiation, How Safe is Safe?" in August 1972 Spectrum, an Army & Air Force standard gives a maximum exposure time of 5 minutes for this 80 mW/cm<sup>2</sup> level.

FDT Newsletter via NPEC "Active Keys", 10/73

\* \* \* \* \*

A woman, called for jury duty, refused to serve because she didn't believe in capital punishment.

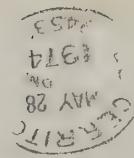
"This is a case" explained the judge, "where a wife is suing her husband because she gave him \$3,000 to pay for a fur coat and he lost the money in a poker game."

"I'll serve," said the woman. "I could be wrong about capital punishment."

\* \* \* \* \*

MORRY POOL, W6CJI  
7315 EUREKA  
EL CERRITO, CA.  
94530

EL CERRITO, CALIF. 94530  
P. O. BOX 782  
EAST BAY RADIO CLUB



# W6CUS

# THE BLOWN FUSE

\*\*\*\*\* EAST BAY RADIO CLUB. P.O.BOX 782. EL CERRITO, CA 94530. A MEMBER OF APNS. \*\*\*\*\*

The East Bay Radio Club meets the second Friday of each month at Casa Cerrito, 6927 Portola Dr., El Cerrito, Ca 94530, at 8 p.m. Next Meeting : July 12, 1974.

## GI VE N 'TAKE

## For Sale

Lafayette HA-460 6 meter AM transceiver, good condition with AC and DC cords, and microphone. \$65. Frank Carson, W6PZU, 3909 Reche Rd, Fallbrook, Ca 714-728-8003.

Heath Sine-Square wave generator, model IC-18. 0.1 to 100,000 cycles in switched steps. Carefully put together by electronics engineer. Hardly used, with manual, \$59.50. Mark Goodman, W6AKG, 800 Brommer St., SP#32, Santa Cruz, Ca 95062. 408-476-4858

(Above items from Worldradio News, June 1974)

RTTY Package: #19 ASR, Power Supply, spare page printer and TD. #14  
typing reperforator, books, manuals, spare parts, 2 Transistor Terminal  
Units, Polar relay test set I-139A, Fanfold paper, rolls paper, perforator  
tape, 6 foot relay rack with 2 speakers and clock, 24 hour time generator with  
prints. \$150 or best offer, to Harry Hatt, WA6NDZ. 347-6332, 542-6133.  
(from June 1974 issue of SFRC News)

An **expert** is a man who makes his mistakes quietly.(or doesn't use a typewriter).

\* \* \* \* \*

### A Presidential Note

On behalf of the members of the EBRC I would like to express appreciation for the time, skill and devotion that Bob and Dave have demonstrated in offering and completing the Novice class. I know that at least some of the students who did not complete the class did so because of scheduling difficulties or personnel situations that made it difficult to continue. In order to help those who started the class and were unable to complete it, or those who are unsuccessful in passing their exams, or those who held a novice license previously (2 years, that is), we are planning a 'short course' of 4 weeks that will concentrate on those who already possess the basic code and theory knowledge. Essentially it will be the last four weeks of an eight week course.\* We do plan, though the time has not yet been set, to offer another 'whole course' later in the fall.

\*This 'short course' is tentatively scheduled for September; more details next issue.

Gene, WB6IBU

\* \* \* \* \*

### A Report on the Novice Class, by Bob Pigford

Dave Bacom, WA6TPJ, and I conducted the Novice basic class for eight weeks in April and May at the Castro Recreation Center in El Cerrito.

The class had 26 members originally but toward the end about a dozen continued to attend. Eight of these completed their code tests successfully. Their FCC applications for the novice have been sent off to Gettysburg, Pa. with my signature certifying that they copied and sent code at the required five words per minute. Their names are: Jeff Villata, Richmond; D. B. Percival, M.D., Richmond; Jeff Dairiki, Ned Dairiki and Janis Dairiki - all of Berkeley; Davey Matsuoka, El Cerrito; Bob Muench, Lafayette.

I enjoyed teaching the class and I'm sure Dave Bacom did also. I wish we might have had a greater percentage of those originally enrolled finishing the course successfully. It's possible that, with this experience behind us Dave and I could do a better job on another try.  
(As Gene indicated above, Bob, it was a job well done!!!!)

Bob, K6QS

\* \* \* \* \*

I would be very interested in printing thumbnail biographies of our members, sort of 'get-acquainted sketches', to introduce the membership to our new members and, also, to disclose some of the interesting careers I know lurk within our Club. So, how about sending me a little data on yourself and I'll try to highlight 2 or 3 members each issue. I'm sure we have a very diversified group and I, for one, would really like to know more. Just drop a line, telling what you would like us to know, to P.O.Box 782, El Cerrito, Va 94530 or give me a call at 236-8321 and maybe I can make arrangements to pick it up.

The Editor.

\* \* \* \* \*

\* \* \* \* \*

## FIELD DAY, 1974

This year's Field Day was interesting and not without its "moments". We were able to get on the air by 1220 on 20 meters, with 40 meters being activated sometime later. Lyman Wiltshire was, of course, the earliest one to arrive since it was his "ball park". Clyde Brown, WA6PWF, Jim Gale, WN6FOX, Les Bodin, W6JKY, and Gene Bergman, WB6IBU came in later. Also Jim & Mini Hudon and Howard Horowitz made it and, so also, Brett Tucker, WA2DNB. Brett operated on 20 for some time. Also helping out were Pat Bowens, Ted Culliver, John Polese, WN6AYP, John Chapman, WN6AYT. Y. C. Ferguson provided some good operating as did Ken Smith, WA6DWZ.

All told, 2 meters came up with 24 contacts, 20 meters with 62 and 40 with about 130 (some duplication should key it to that figure). We had technical problems and, of course, only so many operators which resulted in our being shut down from about 1:30 to about 8 a.m.

We had zooming SWR on the SB34 which Gene brought. It worked ok until suddenly it went from 2:1 to 4:1. After thorough analysis and many attempts we gave up on it and figured we probably had an internal problem. Pat Bowens didn't give up, however. She kept at it and eventually the SB34 learned who was boss and came thru with 1.8:1. In the following 45 minutes we made 13 contacts! including Wisconsin, Alberta, Canada, The Yukon, British Columbia and, my god, San Diego!

Lyman was chief cook and looked for more mouths.

The location is windy. While a mile away everything was still, at the F/D site, it was a blowin'.

All in all, a relaxed atmosphere combined with good operating skills and having a few hours of "quickies" made it an enjoyable 24 hours in June. (If I missed anyone who showed up and lent a hand, my apologies. Next year let's have a "guest-worker" book!)

Gene, WB6IBU

\* \* \* \* \*

### GAME OF THE NAME (from the Wall Street Journal)

It's nice to see my name in print  
In letters large--no need to squint--  
Unless, that is, my name is viewed  
Because, let's say, I'm being sued--  
Or failed the breathalyzer test  
And then resisted my arrest;  
Or, turning just a little solemn,  
My name is in the Obit column.  
Though in the latter case, so be it,  
I very likely wouldn't see it.  
The more I think of it, the less  
I want my name in print, I guess.

\* \* \* \* \*

\* \* \* \* \*

### LEAGUE AND LICENSE

#### Exams

The FCC has set up an eighteen month experiment under which the civil service commission will supervise commercial and amateur radio license examinations. About 100 cities are involved in the Anchorage, Chicago, Detroit, Honolulu and Seattle FCC districts. Sending and receiving tests will use cassette recordings with all grading done by FCC personnel. Applicants passing either code or written tests but failing the other will be given credit toward the next attempted exam in the above named districts only. This system if successful will be put in operation in all areas and will mean that we will have the carry over of any elements of test passed and, also, exam points in almost any area of the country. The League has been asking for such a system for some time now.

#### Logging

A petition for rule making to change the FCC regulations to delete any requirements for logging has been submitted by the Maryland FM Association and has been assigned RM-2382.

(Above articles reprinted, with editing, from the July issue of the CCRC CIRCLE)

#### Convention

The ARRL Pacific Division Convention will be held Oct. 26, 27 and 28 at the Royal Coach Motor Hotel in San Mateo, Ca. There will be a banquet, contests, exhibits and swap tables and many other attractions including several guest speakers. For more information, contact the local headquarters at P. O. Box 12121, San Fran, Ca 94112.

#### Dual Licensing

(The following is printed in part from the July edition of the Worldradio News. For the complete text, check the edition in the Library).

...Of the numerous petitions for amateur rules changes on file, some 43 deal with basic license matters. This has prompted an extensive study into the present structure, and a number of possibilities are being considered for an eventual FCC proposal. In current favor is a plan which might be called the "dual-ladder" system, one mainly HF and the other VHF. An "expert" classification at the top would combine privileges of both. One route would be similar to the present - Novice through General through Advanced, with various frequency privileges below 29 MHz. The second would be the VHF route, starting with a "communicator" no-code license, then moving up through Technician and a higher class such as "experimenter". Separate licenses would be required for the two areas of operation (HF and VHF), although present licensees would probably be "grandfathered" in some fashion.

\* \* \* \* \*

\*)\* \* \* \*

MEETING NEWS

Minutes

There were 24 members and 2 guests present at the June 14th meeting of EBRC. The guests were Fred Berry, K6RTU, CCRC representative and Fred Cannon, K6YT, President of the Palo Alto Radio Club. The treasurer's report as of the June meeting showed:

Brought Forward	\$284.63
Receipts	27.80
Disbursements	74.17 (includes late submission of Xmas prizes)
Net Loss	46.37
Closing Balance	\$238.25

Dues for minors (under 18) are now \$2.50.

Field Day hdqtrs will be Bldg 118 at Richmond Field Station, 1200 GMT. Bring bag lunch for Sat. Saturday dinner, Sunday breakfast and Sunday dinner will be provided. See Lyman Wiltshire for further details. Bring your own equipment and xtals. There was a Field Day announcement by Sid Lagorio on the CCRC plaque. He suggested that the club really try to pile up F/D contacts this time. Ken Smith spoke about Alameda County RACES and AREC Emergency Services. These groups have combined their efforts now. Membership is available even if you are not a ham. Further info can be obtained from Ken Smith, WA6DWZ.

Minutes submitted by  
 John Polese, WN6AYP  
 (for Rich Shelton, WN6TTB) B

\*)\* \* \* \*

Don Evans, our June guest, presented some in-depth and very interesting information on the cause of BART's many woes. Skip hasn't divulged the name of the July guest yet but based on past performance, he (or she) is sure to be worth the trip, so, Come On Out to the meeting, Friday. We'll be looking for you.

And, by the way...

There are still about 20 members who have not yet paid this year's dues. (I'm not mentioning any names because if I do I'll have to include my own, but...) So, don't forget to bring your checkbook with you, or, if some major catastrophe prevents you from coming just mail it to P. O. Box 782, El Cerrito, CA 94530. But we'd rather see you than just hear from you.

\*)\* \* \* \*

Letterer Wanted

Gene, WB6IBU, has some publicity and advertising ideas for the club but needs the aid of someone with lettering experience; if anybody has the experience or access to lettering supplies please drop a line to the P.O.Box.

\*)\* \* \* \*

MORRY POOL, W6CJI  
7315 EUREKA  
EL CERRITO, CA.  
94530



# W 6 C U S

## THE B 7 O W N F U S E

**EAST BAY RADIO CLUB. P.O.BOX 782.EL CERRITO, CA 94530. A MEMBER OF ARNS.**  
The East Bay Radio Club meets the second Friday of each month at Casa Cerrito,  
6927 Portola Dr., El Cerrito, Ca 94530 at 8 p.m.. Next Meeting : Sept. 13, 1974.

## OFFICERS

OFFICERS  
PRESIDENT: GENE BERGMAN, WB6IBU  
VICE PRES: GLENN SKIPPER, WA6NGS  
SECRETARY: RICH SHELTON, WB6TTB  
TREASURER: EV JOHNSON

EDITOR

EDITION  
PAT BOWENS

MAILING AND ADDRESSING  
PAT BOWENS, SID LAGORIO

## MEETING MINUTES

The meeting convened at 8:20 p.m. DUES ARE PAYABLE NOW!!!!  
C.C.R.C. Report - Upper Alamo meeting - 27th YEAR. ARRL is getting closer to the F.C.C. They are acting together more than ever before and are starting to get the things we want : logging requirements are being greatly reduced; CB'ers are getting all new rules and regs. The ARRL convention is set for October 22-23 in San Mateo.

The new club poster will be available in a short time for posting in schools, etc. There will be a prize for the person bringing in the most new members. A list of participating stores will be listed in the 'Blown Fuse'.

The raffle winners were : Morey Pool, Tape; Ben Gould, Jumper Wires; Tony Hirth, Cleamer; Don Dunn, Meters; B.W.Bogard, Heat Sinks; Brad Stine, Modulator/Dynamoter. Our thanks to John Polese and Don Dunn for their donations. Other prizes bought at 'Al Lasher's Elec' in Berkeley who gave a 10% discount.

The talk was given by Jim Davis on using lasers and nuclear particles to produce fusion reactions.

The meeting adjourned at 10:05 p.m.

Submitted by  
Rich Shelton, WB6TTB

\* \* \* \* \*

PRESIDENT'S WORD

by Gene Bergman, WB6IBU; Phone 527-0577

I checked with the editor to see if a flood of articles has been promised. I thought that probably after my sterling "call to the pen" of last month that we would be inundated with paragraphs. Well, what do you think happened? We were underwhelmed! Oh well, must be the vacation.....

How about trying this : Send me a topic you'd like to see an article written about. You might even suggest someone who might write it. Then I'll contact them or select someone and try to get it written. And, I promise, we will keep your name out of it! If one of your fellow club members once told you a story about a field day, or a contact or something else funny, interesting or even dumb (the human drama) now's the chance to try to get them to tell it to everyone. Try it. Sit back and think awhile about who you'd like to ~~still~~ have contribute an article!

And, because I believe everyone in the club should contribute at least something sometime I am beginning a regular article in this august journal. It will (hopefully) appear every month (the editor can, of course, reject) and will contain items of some interest which I find in old radio or other publications. If you have any "ancient" magazines around won't you let me know? We can share selected items with our fellow members.

#### CLUB NOTES

The permit to use the meeting space at Casa Cerrito for the 1974-75 year has been renewed.

The request for space to conduct the novice class 'refresher' at the Castro Clubhouse has not been granted because the facility has prior commitment. At presstime we have been informed that the Fairmount meeting room behind the library is available on Wednesday nights. More details at the meeting on the 13th, Class is tentatively scheduled to begin on the 25th.

NEW LOGGING REQUIREMENTS (thanks to the CCRC Circle, reprinted below is the Appendix to Part 97, regarding logging requirements)

97.103 of Chapter I of Title 47 of the Code of Federal Regulation is amended to read as follows:

#### 97.103 Station log requirements

An accurate legible account of station operation shall be entered into a log for each amateur radio station. The following items shall be entered as a minimum:

a) The call sign of the station, the signature of the station licensee, or a photocopy of the station license. b) The location and dates upon which fixed operation of the station was initiated and terminated. If applicable, the location and dates upon which portable operation was initiated and terminated at each location.

1) The date and time periods the duty control operator for ~~the~~ station was other than the station licensee, and the signature and primary station call sign of that duty control operator.

(cont'd on Pg. 5)

\* \* \* \* \*

# Pro-LOG #1

Date	Page	Source	Author	Remarks
Jan 1924	903	Radio News	H. Gernsback	"Helpful Hints"
Nov 1924	6386F	QST	E. COX & H. Corret	"Hans" & Esperanto
Jan 1924	922	Radio News	Trimm Radio Mfg.	Acousticola

by Gene Bergman, WBSIBU

## HELPFUL HINTS TO RADIO LISTENERS

There are ten good rules for broadcast listeners:

1. Don't try to hear Australia in midsummer. Be satisfied to enjoy the nearer stations most of the time.

2. Don't be disappointed if an occasional storm interferes with your summer radio evening. There are many fine concerts coming. You can't expect to find a pearl in every oyster nor to receive a record-breaking concert every night.

3. If you want louder signals, use a longer aerial, more tubes, higher plate voltage, more sensitive loud speakers, and more careful tickler and receiver adjustment.

4. A pleasant signal filling a moderate sized room should be enough to give satisfaction. It is not worth while producing signals which deafen the neighbors. It is wasteful to insist on tremendous signals which are generally less pleasant than moderate signals.

If your local station comes in too loudly and drowns others out, a smaller aerial will help in tuning him out, with a smaller condenser connected between aerial and ground. And if all measures to get rid of the local station fail, why not enjoy his concerts? He is working hard for you and it is nobody's fault that you are so close to him that you are bound to hear him. Broadcast stations have to be closer to some people than to others.

6. For the new longer waves above 450 meters, use a condenser connected between the aerial and ground terminals of your set.

7. A little patience in learning to handle your receiver yields rich returns in satisfaction from fine signals. Remember that "Rome wasn't built in a day" and keep on getting more and more familiar with your set and how it works.

8. It is a good idea to read the radio column of a newspaper or a good radio magazine or two. It helps you to know how your set works and keeps you up-to-date in radio. Information of this sort is an aid in getting the concerts loud and clear.

9. Ask your radio dealer for advice; he can probably tell you what you want to know and will be glad to do so. The manufacturer of your set is also willing to help you get the desired results from its use.

10. Do not throw away the direction sheets or booklet that came with your set and with the tubes. Read all such material carefully now and then. If you have lost the direction sheets, write to the dealer or manufacturer for others. The direction sheets must answer most of the questions which have been puzzling you and preventing you from getting the best out of your set.



THE ONLY "DX" LEFT FOR SOME OF US.

Re: Esperanto

97, Rue Royale, 97  
Versailles, France

Editor, QST:

Thank you very much for so kindly sending me the article on the adoption of Esperanto which is appearing in September QST and my most cordial congratulations to the A. R. R. L. for the wise decision it has made.

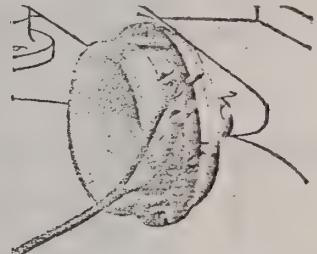
It gives to the world the finest example of the attitude which should be adopted on the question of an international language.

There is no doubt that radio telephony will play a great part in the adoption of an international language and the decision of the A. R. R. L. will certainly carry great weight toward the future of an international radio language. The A. R. R. L. will thus have once more played a most important part in the world and it is most fitting on this account to congratulate it most sincerely.

With very best personal wishes, I am  
Dr. Pierre Corret.

## ACOUSTICOLA

### LOUD SPEAKER



### PHONOGRAPH ATTACHMENT

makes a high-grade loud speaker of any phonograph. Extra large size. Wonderful adjustment lever tones down local stations and strengthens and clarifies weak signals from distant stations by instantly increasing or decreasing distance between poles and diaphragm. Just like focusing a camera.

\$1000

### ACOUSTICOLA

#### Standard Model

Same lever equipped, giant size unit with non-metallic horn, 21 1/2" high; bell 10" wide.

\$2250



### ACOUSTICOLA

#### GRAND



With Cast Aluminum VIBRATION-LESS Horn — the world's finest loud speaker.

\$3500

### TRIMM HEAD PHONES

"Professional"

\$7.65

"Dependable"

\$5.00

With every Trimm product we give a LIFE-TIME Guarantee. Write for folder.

TRIMM RADIO MFG. CO.

Dept. 64 24 S. Clinton St., Chicago

# QST

A Magazine published monthly  
by the American Radio Relay League  
and devoted exclusively to  
CIVILIAN RADIO



APRIL 1922  
20¢

872

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NEW LOGGING REQUIREMENTS (cont'd)

2) A notation of third party traffic sent or received, including names of all third parties, and a brief description of the traffic content. This entry may be in a form other than written, but one which can be readily transcribed by the licensee into written form.

3) Upon direction of the Commission, additional information as directed shall be recorded in the station log.

BLIND, DEAF RADIO HAM HONORED

A blind and deaf ham radio operator was named California Rehabilitant of the Year yesterday by a special state committee.

Richard D. Joy, 33, of Santa Rosa, was selected for the honor from among 15,505 handicapped persons rehabilitated by the state Department of Rehabilitation during the past fiscal year.

Joy, an electronics assembler with the Hewlett-Packard Microwave Division, lost his hearing and sight at age three because of a meningitis infection.

He broadcasts in Morse code and has designed a vibrator that allows him to sense radio signals through his fingers. Joy has also constructed a sounding board through which he "hears" music by vibration through his hands and feet.

GIVE N'TAKE

For Sale, by member, Robert Deremiah, WN6RYS, 2557 Wallace St. Oakland, Ca 94606

Heathkit SB303 SSB, F.S.K., with optional 400 Hz filter. Heathkit's top-of-the-line Rcvr, freshly realigned, carefully built, in excellent condition. Paid \$392.00 originally for the above,; will sacrifice for \$250.00.  
50 ft Antenna Mast, 1/8 walls, 2 1/2 diameter, all 5' sections. \$15.00.  
6 ft Relay Cabinet on castors; good shape. \$45.00.

DUES DUE!!!!!!

Our treasury shows that it still hasn't heard from the following members:  
Steve Barton, Les Bodin, Y. C. Ferguson, Howard Harowitz, Dan Martin, Phil Richardson, Bob Rozano, Ken Smith, Robert Emery, John Chapman, Paul Chambre, Ron DeSilva, Bill Hyde, Al Leno, Bill Smith, E. D. Collins, Bob Conley.  
Believe me, fellows, it misses you!!

\* \* \* \* \*

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TREASURER'S REPORT for August

Balance Brought Forward (Aug 1) \$222.14

Cash	\$ 4.61
Savings	168.63
Checking	48.90
	<u>\$222.14</u>

Receipts

Dues	\$27.50
P.O.Box Refund	1.90
Raffle	17.25
QST Renewal	.50
	<u>\$47.15</u>

Disbursements

Printing(Blown Fuse)	\$ 9.59
Postage	6.00
Field Day(6/21/74)	26.00
Prizes	6.42
	<u>\$48.01</u>

Net Loss .86

Closing Balance (Aug. 31) \$221.28

Cash	\$ 26.25
Savings	168.63
Checking	26.40
	<u>\$221.28</u>

\* \* \* \* \*

EAST BAY RADIO CLUB  
P. O. BOX 782  
EL CERRITO, CALIF. 94530



MORRY POOL, W6CJI  
7315 EUREKA  
EL CERRITO, CA. 94530

# W 6 C U S

## THE BLOWN FUSE

EAST BAY RADIO CLUB. P.O.BOX 782. EL CERRITO, CA 94530. A MEMBER OF ARNS.

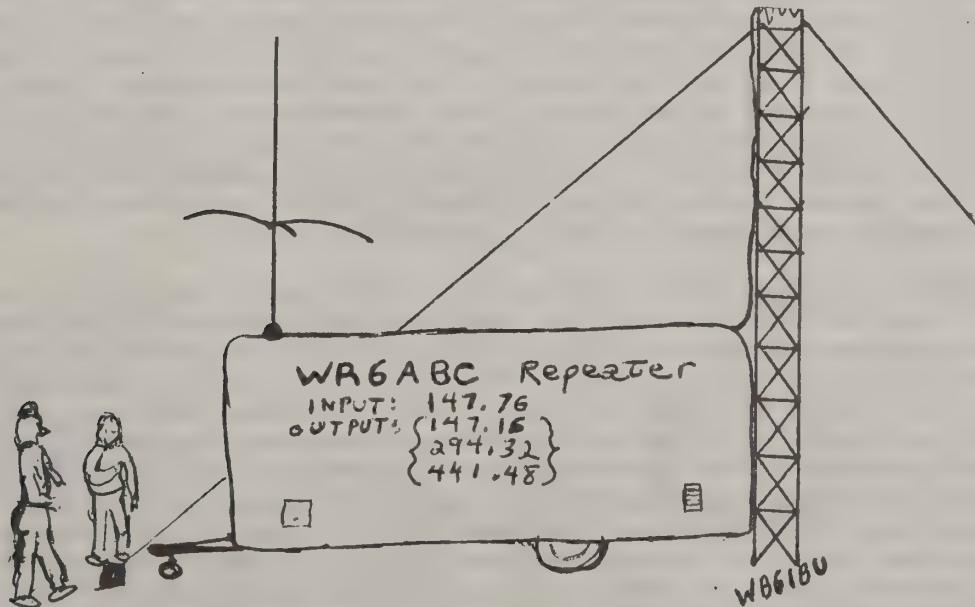
The East Bay Radio Club meets the second Friday of each month at Casa Cerrito, 6927 Portola Dr., El Cerrito, Ca 94530., at 8 p.m. Next Meeting : Oct. 11, 1974.

OFFICERS

PRESIDENT:	GENE BERGMAN,	WB6IBU
VICE PRES:	GLENN SKIPPER,	WA6NGS
SECRETARY:	RICH SHELTON,	WB6TTB
TREASURER:	EV JOHNSON	

EDITOR  
PAT BOWENS, WN6HHX

MAILING AND ADDRESSING  
PAT BOWENS, SID LAGORIO



"Our next project is to clean up our harmonics."

\*  
Some Presidential Thoughts

1) By the time you receive this the first class of the "advanced" Novice class will be underway. The class is to meet four, or possibly five, times, on Wednesday evenings. It's not too late to join the class. The class is designed for those who a) have taken the previous class and still do not possess the license; b) those whose license has expired and who are eligible to try again; c) those with some code, technical, or "regulation" knowledge who want to round it out to the end of receiving the license.

CLASS : "Advanced" Novice

PLACE : Fairmount Recreation Center

ADDRESS: Stockton Street (right behind the library), El Cerrito, Ca.

TIME : 7:30 to 9:30 p.m., Wednesday evenings

DURATION: OCTOBER 2nd thru OCTOBER 23rd (or 30th)

COST : NONE

2) I received my copy of Consumer's Reports for October and found the article therein on "Citizen's Band Radio : Trouble in the Air". I recommend that everyone get hold of a copy and examine it. It is good for several reasons:

a) their recommendations are generally good and realistic.  
b) they separate amateur usage from CB use and include in their recommendations that commercial UHF frequencies be used for an expanded CB service, not amateur UHF. (their point being that the people not business or industry own the airwaves.)  
c) they have good things to say about amateurs. For example, "Amateur radio fulfills useful public service functions, and hams as a class are dedicated, disciplined, and technically competent."

Aside: I recall a couple of years ago seeing an item in QST (I believe) showing the electronic testing department at Consumer's Union - there were a couple of amateurs employed by C. U. I assume they (or their amateur successors) wrote the articles. Viva la infiltration!

3) I plan to announce at the next meeting our new member campaign. Initially, I was proposing it for those under 18 only. However, due to some really exciting donations we will be able to expand our incentive program to all ages. Here's how you can get a head start on the campaign. Enclosed in the members issue of the Blown Fuse is a poster. At the bottom there is some space. You can put "For more information Or A ride, call xxxxx... (your name and phone); then take the poster (or have your spouse take it) to your supermarket, job, school, or even post it in front of your house. Contact others who have indicated an interest in amateur radio and invite them. More to come at the meeting of Oct. 11th.

4) I thought that last month's speaker was exceptional. Many of the speakers this last year have been interesting. Many have been quite technical, and some have been more directly amateur related but our last speaker was an amateur extraordinary. He has 250 "countries" to his credit in the DX Century Club; he showed slides of various DX'er's shacks and antenna arrays, and talked about the most important features and considerations in the construction or purchase of antennae. My hope is that greater advance notice could be given to members of the speaker and topic via the pages of the Blown Fuse. However it is presently unrealistic to ask for or expect a firm commitment from a prospective speaker who is donating his time when attendance is likely to be 20 or 30. This is one good reason why the club must expand its membership and publicity efforts. When attendance reaches the 40 mark, I think everyone will have more confidence about seeking commitments from those who have something to contribute!!!!

# Pro-LOG #2

Date	Page	Source	Author	Remarks
Apr. 1922	59	QST	K. B. Warner, ed.	Stays'
Jan. 1924	932 et 950	Radio News	Hugo Gernsback, ed.	advertisements
Jan. 1924	927	Radio News	Hugo Gernsback, ed.	Oakland Sta

by Gene Bergman, WB6IBU

## Si-StaTV



Mr. Dow, incidentally, reports 9XM and 9YAE as the latest heard. Soon he's to have a transmitter. Mr. A. H. Babcock has built a duplicate of 6ZAF for him—two 50-watt tubes, self-rectifying—and it was recently tested out in Berkeley and OK by Dow, and is now enroute to by steamer. Perhaps by the time this issue is in circulation 6ZAC will be on the air, and if only a little quiet air can be got on the West Coast to listen for him—Oh Boy! Isn't that a relay for you!

3ZO says that radio men talk about only two subjects—and radio is one of them.

Rumor had it during the Transatlantics that a radiophone signing WQM had been heard in London. This station cannot be located and information concerning it will be appreciated. It was at one time assigned to a phone station of the Kansas Gas & Electric Co. at Wichita, Kansas, but was dismantled at the outbreak of war and has not been in operation there since.

## RUSONITE

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(Patent Pending)

THE PERFECT SYNTHETIC CRYSTAL DETECTOR  
SENSITIVE OVER ENTIRE SURFACE

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Sensitivity Price  
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RUSONITE CATWHISKER. Price 25c

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RUSONITE REFLEX CRYSTAL

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WATCH FOR OUR NEW FIXED CONDENSER  
Order from your dealer or direct from  
RUSONITE PRODUCTS CORP., 15 Park Row, New York

### OAKLAND TO GET G. E. STATION

The new General Electric broadcasting station planned for the Pacific Coast is to be located at Oakland, California, and will be ready within six months.

The transmitting set will be similar to that which is now heard almost nightly from WGY, Schenectady, N. Y., and the many developments which have brought to this station a reputation for exceptional transmission quality will be part of the Pacific coast station equipment. The apparatus is now being manufactured in the Schenectady works of the General Electric Company and tested at WGY.

Build yourself a high grade receiving set—at a big saving!

No soldering of joints, no tools necessary. Simple connections made to binding posts. Each RPM instrument is of the highest grade and complete in itself with all wiring concealed and properly insulated to stand exposure. Bakelite mounted—handsome in appearance. Hook-up circuits in every package.



This is the No. 201  
RPM-mounted Coupled  
Circuit Tuner-Bakelite  
Panel. \$12.



ADD-A-UNIT  
LINE

Every unit you need to assemble a high grade receiving set at low cost is included in the RPM Line; mounted and unmounted; variometers, variacouplers, variable condensers, coupled circuit timers, detector and amplifying units—each the best you can buy, yet surprisingly low in price.

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Chicago



DUCK'S

have blazed the way with the best and most dependable radio products.

FREE

Send postal for our special price list on all radio instruments in our catalog and countless new instruments and sets not in Catalog No. 16. Of special importance to those having catalog No. 16.

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711-12 ADAMS STREET

Dept. 3

TOLEDO, OHIO

Date	Page	Source	Author	Remarks
Jan. 1924	P. 982	Radio News	H. Gernsback, ed.	Omnigraph adv.
Jan. 1922	66	Q. S. T.	K. B. Werner, ed. (?)	Letter to editor
Jan. 1924	984	Radio News	H. Gernsback, ed.	Tresco adv.

## LEARN THE CODE AT HOME

"Just Listen—The Omnigraph will do the teaching"

with the

### OMNIGRAPH

THE OMNIGRAPH Automatic Transmitter will teach you both the Wireless and Morse Codes—right in your own home—quickly, easily and inexpensively. Connected with Buzzer, Buzzer and Phone or to Sounder, it will send you unlimited messages, at any speed, from 5 to 50 words a minute.

THE OMNIGRAPH is not an experiment. For more than 15 years, it has been sold all over the world with a money back guarantee. The OMNIGRAPH is used by several Depts. of the U. S. Govt. to test all applicants applying for a Radio license. The

—in fact, the Dept. of Commerce uses the OMNIGRAPH to test all applicants applying for a Radio license. The OMNIGRAPH has been successfully adopted by the leading Universities, Colleges and Radio Schools.

Send for FREE Catalog describing three models, \$14 to \$30. DO IT TODAY.

The Omnigraph Mfg. Co., 20 Hudson St., New York City

If you own a Radio Phone set and don't know the code—you are missing most of the fun

### A Love-Letter

Editor, QST:

Why is it that every Arc Station has to fizz and spit and ding and dong and clong and bang and buzz and bizz and beller and wail and pant and rant and howl and yowl and grate and grind and puff and bump and click and clang and chug and moan and hoot an toot and crash and grunt and gasp and groan and whistle and wheeze and squawk and blow and jar and jerk and rant and jingle and twang and clack and rumble and jangle and ring and clatter and yelp and howl and hum and snarl and puff and growl and thump and boom and clash and jolt and jostle and screech and snort and snarl and slam and throb and crink and quiver and rumble and roar and rattle and yell and smoke and smell and shriek like hell on every wave length from ten meters up to infinity and then can't get their traffic through?

A. Victim.

### A Trip to the U.S.S. Ohio

Editor QST:

While in Philadelphia a short time ago, I had the honor of visiting the Philadelphia Navy Yard. In the course of the day we went aboard the Navy ship the U.S.S. Ohio. At that time I thought it was just an ordinary battleship, but in a few minutes, much to my surprise I found out that it contained a lot of interesting radio apparatus and some interesting radio operators. Walking down one of the aisles, I heard a voice saying this: "When in the course of human events it becomes necessary for I B \* S H ! R \* \$ & \* ! (explosion) and at first I thought it was a school room. You can imagine my surprise when I peeped in the door and beheld

a blond haired fellow in very ragged overalls bending over a piece of apparatus and what he was saying to it would never be found in the Congressional records. It was a startling array of apparatus that greeted my eyes. It appears that this chap, who's name I afterwards found out was Daniels, had been working with some kind of a transmitter and it would not 'mote'. That was the cause of the explosion. After sitting in the room for a while talking to a fellow by the name of Garrett (who was born on Staten Island of very ancient Dutch parentage) the blond haired one started again; "Four score years and ten ago," ??IZ\$C!\*!\*BF&5 another explosion. By this time the air became very warm and I thought I better move. I then wandered around until I heard the old familiar quenched spark hissing and brave like I started to investigate where it was coming from. Thru a doorway I crawled and behold: what mine eyes seen were enough to make any amateur turn green with Arcs-sparks and gosh only knows what. After straightening up I was afraid to move. All kinds of sets, rubber mats on the floor and a tall, dark-haired individual giving orders to some young chaps who seemed busier than a one armed paper hanger with the itch! This tall gentleman's name I afterwards found out to be Manuel and that he was Czar over the spark and arcs. While talking to me he told me that he did not know anything about radio which seemed awful funny to me for his orders seemed to be sensible and the young men working there seemed to know what he wanted done. After he had issued a lot of orders to the future operators about what he wanted done, he escorted me upstairs again to the ship's radio room (The first place I walked into) and introduced me to some other men there who were no doubt very important personages for they had a lot of gold braid on their sleeves and walked around like they owned the ship. After listening to WJZ roaring in (only 5 steps) they started a tube set going, which used two small P tubes for puncturing the air. While looking at the ammeter, I saw 13 amperes registering and thought it was out of order or crazy with the heat, but they assured me it was in good health and working O.K. Visions of my one little amp. in the air came back to me. It was just getting interesting when I breezed a fellow with more gold braid than any of the rest and they all saluted with a smile and became very humble manner so I breezed out before they me out. Well this is all I lamped on this visit but when the opportunity presents itself again, I am going to pay them another visit.

Yours 'till the grid leaks

B. B. Attery.

### WOC--TRESCO

Licensed under Armstrong U. S. Patent No. 1,113,149

A long distance,  
1000 mile, 600 meter  
range regenerative  
tuner for

\$12.50

Add parcel post on  
6 lbs. New circuit  
startling results.  
Cheaper than crystal-  
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to match set for your loud speakers. Circu-  
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Grips Like a Vise  
Eliminates  
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\* \* \* \* \*

### LICENSE NEWS

The September 1974 issue of Worldradio News has some interesting articles on proposed rule making regarding Repeater station operation and control. (A copy can be found in the library). It also contained the following (highly summarized) info on a proposed FCC fee schedule change:

In Docket No. 19658 the FCC proposed to lower the charge on new and renewal licenses from nine dollars to six dollars and modification without renewal would be five dollars. Special calls would remain at \$25.

There would continue to be no fee for Novice Class, applications for amateur stations under military auspices, and applications filed in the Radio Amateur Civil Emergency Services(RACES).

The FCC move is apparently in an effort to conform to a Supreme Court decision that the Commission's fees should not necessarily approximate its budget. As a result, this new fee schedule is designed to cover the costs basically associated with application processing. Commercial license fees are proposed as five dollars for new licenses and two dollars for renewals.

\* \* \* \* \*

### TREASURER'S REPORT for September

Balance Brought Forward (Sep. 1) \$221.28

Cash	\$ 26.25
Savings	168.63
Checking	26.40
	<u>\$221.28</u>

#### Receipts

Dues	\$20.00
Raffle	13.75
QST Renewal	.50
	<u>\$34.25</u>

#### Disbursements

Printing (B1own Fuse)	\$ 7.99
Postage	9.00
Refreshments	13.53
New Ledger Book	1.59
Publicity Flyers	5.01
Prizes	6.20
	<u>\$43.32</u>

Net Loss

9.07

Closing Balance (Sep. 30)

\$212.21

Cash	\$ 2.39
Savings	168.63
Checking	41.19
	<u>\$212.21</u>

\* \* \* \* \*

X X X  
CLUB NEWS

## Minutes of the Sept. Meeting

The meeting was called to order at 8:10 p.m.. The August treasurer's report was presented (see last month's Blown Fuse). The minutes as printed in the Blown Fuse were approved. The advertising poster of the EBRC was presented in final print; colors are yellow and white. Members are asked to distribute these widely. The door prize was won by B. W. Bogardus. The prize was 50 feet of wire. There will be an executive meeting at Gene Bergman's house October 4th. All members of the club will be welcome. The CCRC report was given by Sid: There will be an auction at Palo Alto by the Palo Alto Radio Association; The Hamfest is still on - October 26th and 27th at the Royal Coach; Amateur license fees are dropping as a result of a Supreme Court decision; There is also a proposal to reduce the General class code speed to 10 wpm; Unattended repeaters are going to be allowed by the FCC; More details on these and other items in the last issue of the Blown Fuse.

The raffle winners were F.T.Taylor-jumper leads and fluid injector; Craig Jordan-neon tester and computer manual; L. Serpas-earphone set; B. W. Bogardus-tomatoes from Gene's garden; Dave Bacom-20 feet of hookup wire; Don Dunn -cleaning fluid; Ben Gould-20 feet of hookup wire. Thanks to Gene Bergman and John Polese for Prize donations. Thanks also to Phil Frazier and Jim Ruys for their talk on antennas.

Minutes submitted by John Polese  
(for Rich Shelton)

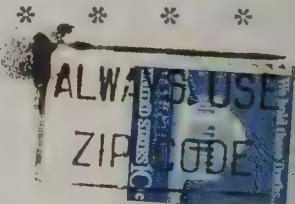
WELCOME to B.W. Bogardus, W6HSE and Leonard M. Brandi, W6LWX.

GIVE N'TAKE  
For Sale

Heathkit GR-88 w/AC, 152-174 MHz. Hear cabs, radiotelephone, police, fire, weather, boats, etc. Make offer. Call Gene Bergman at 521-0577.

Two (2) SSB plus 2 transistorized mikes. Use one 9v battery. \$50.00.  
Like brand new. Ask for Craig Jordan at 526-2462, weekends only.

**LAST BAY RADIO CLUB**  
P. O. BOX 782  
**EL CERRITO, CALIF. 94530**



MORRY POOL, W6CJI  
7315 EUREKA  
EL. CERRITO, CA. 94530

# WÓCUS

# THE BLOWN FUSE

EAST BAY RADIO CLUB. P. O. BOX 782. EL CERRITO, CA 94530.. A MEMBER OF ARNS.

The East Bay Radio Club meets the second Friday of each month at Casa Cerrito, 6927 Portola Dr., El Cerrito, Ca 94530, at 8 p.m.. Next Meeting : Nov. 8, 1974.

\*\*\*\*\*  
OFFICERS EDITOR  
PRESIDENT: GENE BERGMAN, WB6IBU PAT BOWENS, W16HHX  
VICE PRES: GLENN SKIPPER, WA6NGS  
SECRETARY: RICH SHELTON, WB6TTB  
TREASURER: EV JOHNSON  
\*\*\*\*\*  
MAILING AND ADDRESSING  
PAT BOWENS, SID LAGORIO  
\*\*\*\*\*



'Reception's a lot better since we're on cable.'

\* \* \* \* \* PRESIDENT'S MESSAGE \* \* \* \* \*

## ELECTION COMING!!!!

November is election time in our club as well as in our state. The November meeting will be an opportunity for members to demonstrate their commitment to fellow members and amateur radio. Let's put our best members forward!!! All of us can share in the work and make the officer's job easier and more fulfilling.

As outgoing President I pledge my support to the new officers and, more than that, my work. I intend to volunteer to take on the responsibility (and who's going to object) for publicity activities.

The just beginning membership campaign is just a kick off of what should be a continuing program of public relations and membership solicitation among the general public and existing amateur radio operators.

The club must have a continuing influx of new members with new ideas and energy. When I look around us I see an area that has many hundreds of amateurs and many thousands of potential amateurs. We have seen only a fraction become involved in our "East Bay" Club.

Participate and help bring in new members!!!!!!

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* AUCTION IN DECEMBER \* \* \* \* \*

The members present at the October meeting voted that the regularly scheduled December meeting would be used for an auction. This one is your chance!!! We already have a large lot of equipment which will be available. Some of this equipment will be sold for the benefit of the club. We ask that members who know others who have left radio for one reason or another, make appropriate contact to encourage or assist the equipment's presence at the auction.

It should also be noted that this will be just prior to Christmas. A good chance to get some cash from your unused gear!!! Also, here's your chance to make sure you get the item you want under the tree - buy it yourself!

Any item sold for over \$30, will be personally gift wrapped ((at buyer's request)) by the outgoing President!!

Bring your gear and your "geld" (money).

\* \* \* Below is a reproduction of the business card of Al Hetzler who was the speaker at our October meeting. Al operates his business part-time and really knows what he's doing. If you have an interest in, or know anyone who has an interest in, teletype-give Al a call. Anyone who heard his talk and saw his demonstration of tele-type equipment can testify to his competence. \* \* \*

(415) 536-5246

**HETRONIX**  
TELETYPEWRITER SERVICE

AL HETZLER

2255 - 41st AVENUE  
OAKLAND, CALIF. 94601

\* \* \* \* \* MEMBERSHIP CAMPAIGN \* \* \* \* \*

PUBLICITY TO ASSIST CAMPAIGN

POSTERS and other material have been prepared and are being distributed to schools, stores and, later, newspapers. Visitors interested in the Club will be showing up at meetings. Members are encouraged to make contact with them and solicit membership!!

Members can also make their own contacts at school, work, and by other means.

Members who sponsor new members and who do not wish to participate in the contest may assign their credit to someone else or offer it as a raffle prize!!

**HELP YOURSELF AND THE CLUB!!!!!!**

All new members will receive a 'Cardiac' worth one "prize unit", as an incentive to join; a value of \$4.95.

All members of EBRC are eligible to participate.

PRIZES (See below for description of prizes and "prize units")

All members sponsoring two new members will receive one "prize unit".

Anyone sponsoring three or more new members will receive an additional "prize unit".

The member sponsoring the most new members will receive an additional 3 "units"; the second most, an additional 2 units; the third most, an additional 1 unit. In case of tie, place will be determined by lot.

A new member is defined as either one who has never belonged or who has not been a member since May 1, 1973.

(see the copy of an advertisement below for description of the kits)

One Unit Prize - "CARDIAC"; value \$4.95.

Two Unit Prize - From SUN to SOUND Kit; value \$7.95.

Three Unit Prize - Speech Synthesis Kit, or

Solar Energy Experiment, or

Crystals and Light Kit; each kit value - \$14.95.

All prizes have been donated by Pacific Telephone and will be on display at the forthcoming meeting.

**SCIENCE KITS** "DO IT YOURSELF" PROGRAM  
designed by BELL TELEPHONE LABS

**ENERGY FROM SUN**



All the materials for turning silicon slabs into working solar cells are contained in this Kit. The accompanying book explains principles and theory of solar energy and its application to solid state physics. Additional experiments are outlined for using your solar cells, including how to build a high temperature furnace. The projects and text were created at the Bell Labs. This engrossing program of projects is intended for technical and high school science enthusiasts. Shipping Weight, 3 lbs.

Cat. No. C10-02 ..... \$14.95

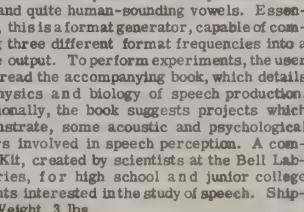
**FROM SUN TO SOUND**



All the components necessary for building a transistorized, solar-powered audio oscillator are included in this Kit. Also contained is a complete text discussing the theory of solar cells, transistors, transformers and capacitors. The student is taught to design his own circuit parameters. Working with this Kit is an introduction to fundamental facts concerning energy conversion, oscillators, transistors and electronic theory. Developed and designed by Bell Telephone Labs, and appropriate for students of technical, high school and junior college, etc. Shipping Weight, 3 lbs.

Cat. No. C10-01 ..... \$7.95

**SPEECH SYNTHESIS**



An experiment in electronic speech production. Kit incorporates components to construct an electronic vowel synthesizer that produces distinct and quite human-sounding vowels. Essentially, this is a format generator, capable of combining three different format frequencies into a single output. To perform experiments, the user must read the accompanying book, which details the physics and biology of speech production. Additionally, the book suggests projects which demonstrate, some acoustic and psychological factors involved in speech perception. A complete Kit, created by scientists at the Bell Laboratories, for high school and junior college students interested in the study of speech. Shipping Weight, 3 lbs.

Cat. No. C10-03 ..... \$14.95

Crystall experiments for the advanced students, which explain the interaction of crystals and polarized light waves. The Kit contains components for assembling an efficient polarizing microscope. Also, colored filters and samples of mica, ADP and other crystalline materials with which the student can conduct 35 experiments. Two comprehensive manuals detail theory involved, and outline the different projects and experiments. Created for technical and high school students (etc.) at Bell Telephone Laboratories. Shipping Weight, 3 lbs.

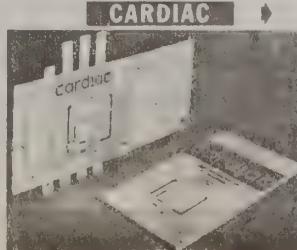
Cat. No. C10-04 ..... \$14.95

**CRYSTALS & LIGHT**



A powerful, practical introduction to the world of computers, and how data is processed. Cardiac incorporates a manually operated cardboard computer, a 53 page illustrated instruction manual, plus glossary of computer terms. "Cardiac" is a complete "hands-on" self-study system in computer, data processing and programming basics. Learn-by-doing makes comprehension of a subject easy and enjoyable, so the user is taught to solve simple and difficult problems, and to write his own programs. Designed and developed for individual student involvement, which could lead to a career in the fascinating "computer world". A Bell Laboratories creation. Shipping Weight, 2 lbs.

Cat. No. C10-05 ..... \$4.95



ARRL-Convention

Attended the last day of the Pacific Division ARRL convention in San Mateo. Saw Jim and Minnie Hudon there. Understan'l Sid Lagorio was there on Saturday. (Got this info by way of your club prez, Gene Bergman, who also attended). I think he'll have some comments for the October meeting). Minnie, by the way, won an FET VOM at the banquet which closed out the 2½ day convention. The highlight of the day for me was the ARRL forum at which Harry Dannals, ARRL President, was one of the question and answer panelists. The questions and comments at the forum suggested a variety of interests and sore spots. Among them:

- 1) Need for code practice cassettes since it is sometimes difficult to get equipment or meet practice schedules. (the League says this is already being taken care of).
- 2) Need for pre-teen oriented amateur radio beginners manuals to help youngsters get interested in amateur radio. Many members seemed to feel that the current Beginner's Manual is not geared to young teens or people who have no prior knowledge of amateur radio.
- 3) Seeming lack of response to ARRL needs by the FCC.
- 4) Need for a youth incentive program to bring new members into the fold. (Doc Gmelin, Pacific Coast Director, indicated that 4,000 members drop out each year).

Not all questions could be given direct answers but the League is trying to work in as many areas as possible to improve Amateur Radio licensing and operating. It was a very interesting session.

Pat Bowens, W16HHX

\* \* \* \* \*

Oil Exploration Band (from AUTO-CALL, October, 1974)

FCC Notice of Proposed Rule Making, Docket 20147, proposed to permit temporary (until 1978) operation of non-government radiolocation systems in the 420-450 MHz band, primarily for oil exploration.

Equipment is under development for 2900-3700 MHz (which includes the 3300-3500 MHz assignment to amateurs on a secondary basis) but it is not expected to be in production for several years. In view of the current and severe oil shortage, FCC has been persuaded to authorize the interim 420-MHz activity.

Individual licensing will avoid the 435-438 MHz satellite segment, and in any event any radiolocation operation by non-government entities must be without interference to amateurs, since it will be #3 priority in the band.

Comment date is November 4. Contact your ARRL Director if you have strong views..

\* \* \* \* \*

RFI, Task Group Report (Re-printed in part from AUTO-CALL, October, 1974)

The ARRL Radio Frequency Interference Task Group has put together an information packet to use in solving RFI problems. The approach suggested by the group is one of encouraging the consumer who is experiencing RFI problems to contact the manufacturer of his equipment, to request that they provide the components and service necessary to eliminate RFI which is a source of annoyance to both of you. Last year the FCC reported 38,000 complaints involving interference to home-entertainment equipment. And the only cure for RFI in audio equipment is by treatment of the audio device experiencing the interference. The Task Group packet includes a list of manufacturers who have been cooperating in supplying high pass filters for their equipment. There are sample letters to be written to equipment manufacturers, a report form for documenting interference problems to the Task Group and a suggested bill for legislation authorizing the FCC to require interference reduction measures in the manufacture of electronic devices. The Task Group is anxious to hear your ideas and suggestions regarding the matter of RFI. Those who wish to help will be placed on a mailing list to receive future information from the Group. The RFI Packet is available upon request and a 9 x 12 inch SASE manila envelope (40c postage), from the East Coast. Ask the Club to check on local availability if you are interested..

# Pro-Log #3

Date	Page	Source	Author	Remarks
Apr. 14/22	14	QST	"S. P. W."	"And It Came To Pass"
Nov. 10/21	86	QST	Ross Radio Co	adv.
Apr. 13/22	90	QST	Riley Kirby Co	Airway Radio Co

by Gene Bergman, WB6IBU

## "And It Came To Pass" The Episode of the Much-Married Ham and the Radio Widow

By S. P. W.

**A**ND it came to pass that a certain dial-twirler reached the age when shaving becometh a nuisance and not a novelty, and the latest dance step arouseth more interest than Einstein's theory of relativity, and as is the habit with young men, he falleth in love. And lo, as time passeth, he confuseth osculations with oscillations, and spooning with tuning, and his spark nō more roareth thru the ether, or whatever the latest theory contendeth that sparks roar t' "Yea, he disappeareth from the list Calls Heard," and his friends wonder.

In the fullness of time he asketh HER the fatal question, and she accepteth him. The final Hook-up is consummated, even as it is ordained, and the couple go forth on their honeymoon and they shed rice and smiles as they go, for such is the custom.

But on the nineteenth day thereafter, they return to the home town, and take up their residence in Bungalow Row. And lo, no sooner do they return that he erecteth a pole in the back-yard, and fixeth a staff to the ridge-pole. And in the course of time an aerial swingeth; lo, it is complete even unto a lead-in and ground.

And his wife asketh him wherefor, saying "Why stringest thou those wires?"

"Why clutterest thou up the attic with junk?"

"Why poundest thou so on divers contraptions, whereof I know not the name?"

"Why bringest thou thy friends to track thru my perfectly clean house?"

"Why—" But list to thine own wife when thou takest one unto thyself, for each inquireth the same.

He trieth valiantly to explain the mysteries of radio; he persuadeth her to enter into the operating room. But she crieth out when the spark crasheth in the gap; she claimeth that the cans hurt her ears, that the head-band pulleth her hair, and other heresies. She complaineth that the buzzing of the sparks giveth her headache; she seeth no good in radio, and departeth upstairs. And it was so for years, even the number of the fingers on one hand.

The war cometh and goeth, and the aerial and set goeth and cometh back, as was ordained in Washington. And with the return of the set cometh strife. Our hero's wife setteth down her foot; she saith all manner of harsh things against radio. She beggetteth and pleadeth, she threateneth to return to the domicile of her maternal parent; she doeth all manner of things to prevent the return of radio in her household.

She saith unto him, "My lord, I wish not to be even as the wives of the golf bugs, and to be called a 'radio widow,' for radio taketh up thy evenings, and maketh

But the set endureth; it was, and is, and always shall be, for when the bug biteth, he biteth deep; the virus pulseth to the far parts of the body and sinketh in; even matrimony faileth to eliminate it.

Time passeth, even as it is wont to do, and lo, it worketh wonders; a miracle is wrought in the household of our friends. For Ye Editor insisteth upon a happy ending, and how can anything be happy when thy wife hateth thy hobby, and stirreth up strife accordingly? Yea, a miracle is needed, and behold, it is chronicled in this wise.

The time cometh when the phones fill the air with sweet noises (provided only that their modulation be good!) and our hero thinketh unto himself "My storm and strife loveth music, else why runneth she me in debt for a Victrola, and why carteth she home numerous records therefor?"

And he reasoneth further "An it be she loveth music, why loveth she not radio? For it has come to pass, even as the singer of old hath predicted, that 'our nights shall be filled with music, and the cares that infest the day shall collapse like a trick loose-coupler, and silently fade (we'll say they "fade"—ED.) away,' or words to that effect." And he pondereth much on the matter, till he decideth upon a plan.

The next night he bringeth home the Magnavox that belongeth to the Club, and he borroweth two extra stages of amplification. He departeth immediately from the dinner table, and ascendeth to the radio shack. He hooketh up his instruments cunningly, he lighteth his tubes even unto the fourth step. He testeth exceedingly, and looketh frequently upon his watch until it be the time for KDKA to start.

Then he switcheth in the Magnavox and openeth all the doors. He tuneth for the carrier wave, and findeth it. The shriek soundeth throughout the house, being amplified exceedingly, and he heareth with falling heart the reproaches of his wife. At last soundeth the voice of the operator, as he announceth a selection by an orchestra of much note, (wherein no pun is intended) and our hero chuckleth unto himself, and brighteneth up his tubes.



thee to neglect thy wife. Thou speakest of regenerators in thy sleep, yea, thou mutterest and groanest and cursest QRM. Thou comest to bed in the small hours, and wakest me to rave of DX. Of my past experience do I know that thou makest of radio a nuisance and an abomination; surely this thing shall not be!"

Yet the aerial did blossom forth again, and the old set cometh to light. And in the course of time, a new set assemblmeth itself, and five-watt tubes glow where the spark was wont to crash, for wherefore can a set be modern, and yet use a spark? His wife sulketh and gnasheth her teeth, and extracteth much largess in the form of flowers, sweets and knick-knacks ere she cheereth up.

And lo, in a second the sweet sounds of the orchestra burst forth most powerfully, and the lilting strains fill the house. It is good radio weather, and the static QR Neth not. Our hero sinketh back in his decrepit armchair, and thinketh good thoughts of everything and everybody saving three "5" stations that QRM on 360 meters.

And it came to pass, even as he had planned, that his wife rusheth to the radio room, and registereth joy and amazement. She listeneth with rapture to the smooth voice of KDKA announcing a tenor solo, and closeth her eyes dreamily at the love song she heareth.

And then she bombardeth her husband with questions, saying, "Why hast thou not told me of this wonder? How cometh it that we hear sweet sounds, when we used to hear only trick buzzes? Whence cometh this music?" and divers other things.

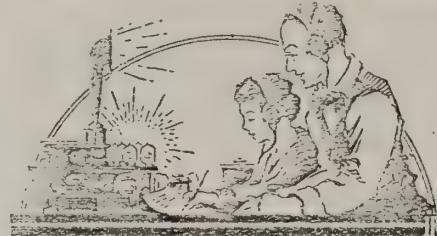
He answereth her with dignity, saying "In the past hast thou spoken all manner of evil things falsely against radio, so I gathered that thou wouldst not be interested!" And he assumeth an expression of wounded pride, and registereth indifference.

But she, being wise in the ways of men, as are all women, saith unto him sweetly, "How marvelous of thee, my lord, to operate these instruments! How wise art thou to master all this junk! My man art thou, and truly, I am proud of thee!"

And he acteth, even as would thou and I, like unto the small boy praised in front of the class by the teacher, and he saith, "Aw, it is a simple matter! Thou tunest with this dial, and regeneratest with this" and he suiteth the action to the word, and sheweth her much. He explaineth all things unto her, and teacheth her to operate proficiently. Her sensitive woman's fingers learn easily the accurate adjustments, she comprehendeth the functions of the rheostats and learneth even to forget not to throw the lightning switch.

And it came to pass that night that the

Radiofonus Fanerii, a bug of the genus Radio, did bite the wife of our hero, and she exhibiteth the usual symptoms. She studieth catalogs and catalogs and diggeth into old radio magazines. She maketh salad



dressing with transformer oil, and baketh pieces of wire and calleth it macaroni au Marconi. She cutteth doughnuts on a spiral and frieth them into O.T.'s. She substituteth a call book for the cook book, and taketh out a membership in the A.R.R.L. She joineth the Radio Club and delighteth in the title of "OW." She learneth the Code, and becometh a regular ham; her

husband exulteth exceedingly, and saith unto himself "This is my work!" and he is much puffed up.

For his birthday she giveth him two of amplification and for Christmas a Magnavox of his own, and evenings she sitteth on the arm of his chair and whistleth "D-o y-o-u l-o-v-e m-e?" and he whistleth back; "dit-dit-dah, dah-dit dah-dah-dah, dit-dit dah!" and rejoiceth exceedingly. Which maketh the happy ending that Ye Editor hath insisted upon.

(As a matter of fact, our hero's wife told him just the other day that he shouldn't spend another cent for that darn-fool radio set till she got a new coat and a new hat that Lord knows she's needed for a year, and that she couldn't see why on earth a grown-up man wanted to monkey around with that sort of thing, and why didn't he —but there! You married hams will get me, and the single ones will never understand till they go thru it, so why continue with the harrowing details? You've had your happy ending, anyway!)

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↑ Radio News p. 1016  
Jan, 1924

MEETING MINUTES

7

The October meeting of the East Bay Radio Club convened at 8 p.m. The minutes of the Sept. meeting were approved as printed in the "Blown Fuse". Candidates for the coming year should start considering, since elections are next month (November). Suggestions for the Christmas party location are needed, preferably in the Richmond, El Cerrito area. The possibility of an auction in December was discussed and approved and is tentatively scheduled for Friday, December 13th. The Novice class is coming along well. Door prize, a book on Computer logic, was won by Steve Dodge. Some surplus gear, easily converted to 160 and 80 meters will be available very soon. The membership campaign is shaping up very well. There will be prizes for new members and for people who bring new members in. The prizes were supplied by A T & T and are very interesting. Alameda Co. RACES moving along very smoothly; talk to WA6DWZ for further info.

The raffle was won by: Dave Percival - Needle nose pliers; Steve Dodge - Oil Can and Silicon Oil; George Pereira - Wire stripper; Ben Gould - an RF connector.

Minutes submitted by Rich Shelton,  
WB6TTB

\* \* \* \* \*

GIVE N'TAKE

FOR SALE: National NC-183 General Coverage Receiver---\$65;  
Heath DX-40 Transmitter-----\$30;  
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Call Gene, WB6IBU, at 527-0577.

\* \* \* \* \*

\* \* \*Subscribe to World Radio News; subscription is \$6 a year. The Club will receive \$1.00 when we handle the sub.. "It's a damn good publication and well worth it".  
(Unsolicited statement by Gene Bergman).

\* \* \* \* \*

AND by the way, ARRL Pacific Division Director, "Doc" Gmelin supplies news 'hot off the presses' on the first and third Tuesday evenings of each month. You can catch this bulletins at: 7:30 p.m., 3590 and 7090 KHz, 15 to 20 WPM or  
8:30 p.m., 3815 KHz, SSB phone or  
9:00 p.m., RTTY, 3615 KHz at 170 cycle shift, followed by a repeat at 850 cycle shift..

\* \* \* \* \*

IDENTIFY YOURSELF (Courtesy of ARNS Bulletin, Oct. 1974)

Some members keep their association strong  
While others join and just belong  
Some dig right in, some serve with pride  
Some go along, just for the ride  
Some volunteer and do their share  
While others lie back and just don't care  
On meeting nights some always show  
While there are others who never go

Some always pay their dues ahead  
Some get behind for months instead  
Some do their best, some build, some make,  
Some never give, but always take.  
Some lag behind, some let things go  
Some never help their association grow  
Some drag, some pull, some don't, some do  
CONSIDER - WHICH OF THESE ARE YOU

\*\*\*\*\*

MORRY POOL, W6CJI  
7315 EUREKA  
EL CERRITO, CA. 94530





